UNIVERSITY OF TENNESSEE.

REGISTER,

1892-93.

ANNOUNCEMENT,

1893-94.

CALENDAR.

SESSION 1893-94.

1893.

Entrance Examinations begin . . . . . Monday, September 11th.
First Term, Academic and Law Departments, begins Thursday, Sept. 14th.
Medical Session begins . . . . . Monday, October 2nd.
Dental Session begins . . . . . Monday, October 2nd.

1894.

Intermediate Examinations begin . . . . . Monday, January 15th.
Entrance Examinations, ... Monday, January 22nd.
Second Term, Academic and Law Departments, begins Thursday, Jan. 25th.
Semi-annual Meeting of Trustees, ... Thursday, January 25th.
Medical and Dental Commencement, ... Tuesday, February 27th.
Final Examinations begin . . . . . Thursday, May 31st.
Baccalaureate Sermon, ... Sunday (8 P. M.), June 10th.
Annual Meeting of Trustees, ... Tuesday (10 A. M.), June 12th.
Celebration of Literary Societies, . . . Tuesday (8 P. M.), June 12th.
Annual Address, ... Tuesday (10 A. M.), June 12th.
Commencement Day, ... Wednesday, June 13th.
Annual Meeting of Alumni, ... Wednesday (3 P. M.), June 13th.
Address before Alumni Association, . Wednesday (8 P. M.), June 13th.

Address letters, telegrams and express packages for members of the University, care of the

UNIVERSITY OF TENNESSEE,

KNOXVILLE, TENNESSEE.

UNIVERSITY OF TENNESSEE

REGISTER

FOR 1892–93.

—AND—

ANNOUNCEMENT

FOR 1893–94.

KNOXVILLE, TENN.:
PUBLISHED BY THE UNIVERSITY.

PRESS OF NEWMAN & CO.
1893.

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LEGAL TITLE: THE UNIVERSITY OF TENNESSEE.

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Knoxville, Tenn., U. S. A.

REGISTER, 1892-'93.

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HUGH R. MILLER, M. D., Demonstrator of Bacteriology.
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ALBERT B. WEGENER, - - - Instructor in Physical Culture.

ORGANIZATION.

HISTORICAL STATEMENT.

The foundation of this University is connected with the earliest history of Tennessee.

In 1794, by the first General Assembly of the "Territory South of the Ohio," *Blount College* was chartered—named in honor of William Blount, the Governor of the Territory, and afterwards one of the two United States Senators first chosen from the State of Tennessee.

In 1807, under an Act of Congress providing for the establishment of two colleges in Tennessee. *East Tennessee College* was chartered, and soon afterward the franchise and property of Blount College were transferred to it.

In 1826, East Tennessee College, having been formerly located elsewhere within the limits of the present city of Knoxville, was transferred to the present site, then known as Barbara Hill—so named in honor of a daughter of Governor Blount.

In 1840, the name of East Tennessee College was changed, by Act of the General Assembly, to *East Tennessee University*.

In 1869, the General Assembly gave in trust to the University, the proceeds of the sale of public lands, donated by Act of Congress of July 2, 1862, "to the several States and Territories which may provide colleges for the benefit of agriculture and mechanic arts," and in consideration of this the University entered into a contract with the State under which it was to establish and maintain a college of this kind and to educate 275 State students at one time, free of tuition, in this department.

In 1879, the name of East Tennessee University was changed, by Act of the Legislature, to the *University of Tennessee*, and laws were made connecting the University intimately with the State system of public education.

In 1887, the General Assembly gave the Agricultural Experiment Station of the University the appropriation made by the United States Congress in the so-called "Hatch Experiment Station Act."

In 1891, the General Assembly assented to the grants of money made to the colleges of agriculture and mechanic arts under the "New Morrill

Act," approved August 30, 1890, and pledged the whole of the appropriation to the University of Tennessee, in accordance with the contract made with it in 1869.

THE TRUSTEES.

The Board of Trustees of the University hold a charter from the State dating from 1807. It is limited to thirty members, chosen from the different Congressional districts in the State, who serve for life or until removal from the State or resignation. The Governor, the Secretary of State, and the Superintendent of Public Instruction are members *ex-officio*. Seven members form a quorum. The President of the University is also President of the Board of Trustees; the other officers are a Treasurer and a Secretary.

DEPARTMENTS.

The University of Tennessee is an integral part of the public educational system of the State. As at present organized, it forms the capstone of this system, and completes the work begun in the common schools and carried on through the secondary and high schools. Its existence is due chiefly to the bounty of the United States, the largest portion of its income being derived from the proceeds of the sales of public lands granted to the several States by Act of Congress of July 2, 1862, and from the appropriations made by the Acts supplementary thereto.

The present organization of the College of Agriculture, Mechanic Arts and Sciences is designed to meet the requirements of the laws which provided this foundation.

ACADEMIC DEPARTMENT.

This department includes:

I. The *College of Agriculture, Mechanic Arts and Sciences*, with the following Courses of Study:

1. General Course, including the literary and classical.
2. Course in Agriculture.
3. Course in Civil engineering.
4. Course in Mechanical engineering, including the electrical.
5. Course in Mining engineering.

Graduates in the General Course receive the degree of Bachelor of Arts if the ancient languages were taken; otherwise the degree of Bachelor of Science.

Graduates in the Agricultural, Civil engineering, Mechanical engineering and Mining engineering courses receive the degree of Bachelor of Science in Agriculture, Civil engineering, etc.

SCHOOLS.

I. School of Latin.
II. School of Greek and French.
III. School of English and German.
IV. School of History and Philosophy.
V. School of Mathematics.
VI. School of Civil Engineering.
VII. School of Physics and Electrical Engineering.
VIII. School of Mechanical Engineering and Drawing.
IX. School of Mechanic Arts.
X. School of General and Analytical Chemistry and Metallurgy.
XI. School of Organic and Agricultural Chemistry.
XII. School of Agriculture.
XIII. School of Botany and Horticulture.
XIV. School of Zoology.
XV. School of Military Science and Tactics.

Connected with and forming a part of the Academic Department, is a Teachers' Department, designed to train teachers for the public and private schools of the country. Students who complete the course required receive a certificate with a license to teach in Tennessee.

The requirement of the Code (Section 339) that "the accommodation and instruction of persons of color shall be separate from the white," is met by providing corresponding "accommodation and instruction" in the Industrial Department of Knoxville College, in Knoxville, for colored students who pass the required examinations and receive appointments.

II. The *University Department.*

1. With courses for the graduate degrees of M. A., M. S., and Ph. D.

2. With professional courses leading to the degrees of C. E., Min. E., and Mech. E., and elective courses for special students.

PROFESSIONAL DEPARTMENTS.

1. A Department of Law, with a course leading to the degree of B. L.

2. A Department of Medicine, with a course leading to the degree of M. D.

3. A Department of Dentistry, with a course leading to the degree of D. D. S.

FACULTIES.

A separate Faculty has charge of the instruction in each department. The Faculties consist of a dean, professors and associate professors, and are aided by lecturers, instructors, fellows and assistants.

ACADEMIC DEPARTMENT.

ADMISSION.

All entering students must report, on their arrival, at the office of the President with their recommendations and certificates, and be registered. They will receive a card which will admit them to the entrance examinations, or certify them to the Dean for classification, if these examinations have been previously passed.

All candidates for admission to any class, or as special students, must be provided with testimonials of good moral character and attainments, preferably from their last instructors, and if the candidate has been a member of any other college or university, he must produce a certificate from its executive officer that he is free from censure in that institution. All candidates must be at least fifteen years of age.

The examinations for admission will be written, with supplementary oral examinations, if needed. They will be held as follows:

1. At the University, three times a year. The first examination will begin at the University on Thursday, June 1st, 1893, at 9:00 A. M., and will continue through the afternoon of Friday. The second will begin on Monday, September 11th, 1893, at 9:00 A. M., and will continue through Tuesday and Wednesday. The third examination will begin on Monday, January 29th, 1894, at 9:00 A. M., and continue through Tuesday and Wednesday. Applicants who have conditions or other deficiencies at the June examination are required to remove them at the September examination. Attendance is required at the beginning of the examinations.

2. To save trouble and expense to those who live at a distance from the University, special local examinations will be held at many points in the State during the months of May and June, each year, by an authorized agent of the institution. These examinations will usually be in connection with the examinations of the accredited schools, high schools, and secondary schools, or with the teachers' institutes held in various sections of the State during the summer. The exact times and places will be announced in the local papers. Upon request, questions will be sent to any superintendent, principal or master of a school who will consent to supervise the examination for the accommodation of candidates. The candidates will prepare their answers and sign a pledge that they have not received any assistance therein, and the papers will be returned to the University for examination. Students desiring an examination of this kind should address a request to the President of the University.

3. Graduates of State secondary schools, high schools, and University accredited schools and academies will be received into the Freshman classes on certificate.

FRESHMAN ENTRANCE REQUIREMENTS.

Candidates for admission to the Freshman classes must pass examinations in at least three of the following subjects, two of which must be English and Mathematics. They will not be permitted to enter if they are conditioned in more than one of them. All conditions must be removed during the first term. A grade of 50 is required to pass; a grade between 40 and 50 conditions the candidate.

1. English. English grammar and composition, as exhibited by an essay on an assigned subject and by written or oral questions. A practical knowledge of the language is required, rather than a knowledge of technical grammar and rhetoric. The attention of preparatory schools is called to the need of a more thorough study of elementary English.

2. Mathematics. Arithmetic and its applications, algebra to quadratic equations, and the first two books of geometry.

3. Geography, and history of the United States.

4. Elementary physics and elementary physiology.

5. Latin. A knowledge of the forms, declensions, genders, conjugations, etc., and the ability to read the simpler prose writers, such as Nepos, Cæsar, or Cicero.

6. Greek. A knowledge of the noun and verb inflections, of the simpler rules of syntax, and the ability to read selections from Xenophon, etc.

The University is expected, as the head of the State system of public schools, to connect with these schools and to receive students who have availed themselves of the training therein provided. These requirements for admission are determined largely, therefore, by the course fixed for the secondary schools. As these schools were not established until 1891, and as their course covers three years, these requirements cannot be fully enforced until September, 1894. They are announced now for the information of all concerned.

During next session provision will be made as heretofore for the special instruction of students conditioned in algebra and geometry. As Greek and Latin are not taught in the secondary schools, provision has to be made for students to begin the study of these languages.

The *minimum requirements* for admission next September are, therefore, a knowledge of English as described above, of arithmetic and its applications, and a satisfactory examination either in geography and United States history, or in elementary physics and elementary physiology.

ADVANCED STANDING.

Candidates for admission to an advanced class must pass an examination on all the studies required for admission to the Freshman class of that

course, and all of the studies pursued by the class up to the point at which they enter, or give equivalents therefor. Certificates from recognized institutions of learning will be accepted in lieu of examinations at the discretion of the Faculty.

No person is admitted as a candidate for a bachelor's degree after the beginning of the first term of the Senior year.

COLLEGIATE STUDENTS.

Collegiate students are required to take one of the five regular college courses. Drill is required of Freshmen and Sophomores, and is optional with Juniors, Seniors, and Special students.

Every Collegiate student will take the class in his course for which he is found prepared, and to which he is assigned by the Dean. He may have not less than fifteen, nor more than twenty hours per week of work. Two hours of laboratory, shop, field, military drill or other required practice or research work count for one college hour, that is, as equal to one hour of class room work. He can not drop or change any study without the permission of the Dean, and this is limited to the first two weeks of each term.

No Collegiate student can be registered for a higher class, if conditioned on more than one study of the preceding class. Though he may pursue studies for which he is prepared with the higher, he will be registered in such cases as belonging to the lower class.

SPECIAL STUDENTS.

Students over twenty-one years of age, who can pass an examination upon all the subjects required for admission to the Freshman class, and also upon the English and Mathematics of the Freshman year, are admitted to the privileges of this department and allowed to take special undergraduate courses, selected under the direction of the Faculty in such manner as to secure full and profitable employment of their time. They will be subject to the same regulations and discipline, and to the same examinations in the studies pursued, as other undergraduates. On completing their courses they receive certificates of proficiency. These courses are, however, not offered to those who have failed in the regular courses.

STATE SCHOLARSHIPS.

The State has established a number of Scholarships in the Collegiate department of the University. They are awarded to qualified persons from the different counties and districts in the State in the proportion of two to each Senator and three to each Representative in the General Assembly. The present membership in the General Assembly provides a total of three hundred and sixty-six Scholarships.

Senators and Representatives nominate the persons to receive these Scholarships from the list of candidates found qualified by examination, as above, or holding the diploma or certificate of a State secondary school

or of a University accredited school. The Scholarships are then certified by the President of the University. If the Senators and Representatives fail to nominate, or qualified persons fail to apply from any district or county, the President of the University is authorized to award these Scholarships to qualified candidates from other counties or districts. In this way all qualified candidates from Tennessee are usually provided with Scholarships. It is the desire of the authorities of the University that its doors shall stand wide open to all persons earnestly desiring an education and prepared to avail themselves of the advantages it offers.

These State Scholarships secure the holder free registration and tuition until graduation or dismission.

ACCREDITED SCHOOLS.

I. IN TENNESSEE.

All State secondary schools are by law accredited schools. These schools were established by an act approved March 25th, 1891. This law says: "In every secondary school shall be taught the following branches: Orthography, reading, writing, arithmetic, grammar, geography, history of Tennessee, history of the United States, constitution of the United States, elementary geology in Tennessee, elementary principles of agriculture, elements of algebra, elements of plane geometry, elements of natural philosophy, book-keeping, elementary physiology and hygiene, elements of civil government, and rhetoric, or higher English. Practice shall be given in elocution, or the art of speaking. Vocal music may be taught, and no other branches shall be introduced." ..... "The course of study in secondary schools shall consist of eight grades, the first five grades being identical with those in primary schools." The additional course thus provided consists of three years.

In the absence of high schools in country districts the Collegiate department of the University is required to take students directly from these secondary schools for the present. It is greatly to be desired that the State shall establish a system of high schools in the country similar to that already provided in towns.

Any high school, academy, or other institution whose course of study covers the branches required for admission to the Freshman class of this University may be put on an accredited list, after application, examination by some officer of the University, and approval by the Faculty. In lieu of the sciences provided in the secondary school course, these schools may offer Latin, Greek and other good equivalents. An alphabetical list of the schools thus accredited, with the names and addresses of their principals, is published annually.

Graduates or proficients duly recommended by the principals of such accredited schools will usually get State scholarships and will be received into the Collegiate department of the University without further examination, as are graduates of the secondary schools; the right is reserved

to classify such students in the course which they may select, according to their qualifications.

As this law has been so recently enacted, it is impossible to publish an accurate list of the schools in Tennessee whose courses of study come up to these requirements. According to the State Superintendent's report, the following schools are giving the required instruction and will, therefore, be recognized as accredited schools for the year 1893. This list will be carefully revised before the next announcement is published.

LIST OF ACCREDITED SCHOOLS IN TENNESSEE.

Name of School.	Superintendent or Principal.	City or Town.
Masonic School	Gross and Boone	Alexandria, DeKalb Co.
High School	A. T. Barrett	Chattanooga, Hamilton Co.
High School Dept.	D. C. Arnold	Cleveland, Bradley Co.
University School	T. B. Kelly	Columbia, Maury Co.
High School Dept.	C. M. Charles	Columbia, Maury Co.
High School Dept.	H. S. Kennedy	Dyersburg, Dyer Co.
High School	————	Harriman, Roane Co.
High School Dept.	————	Jonesboro, Washington Co.
Uni. High School Dept.	R. H. Freeland	Johnson City, Washington Co.
University School	Baker and Himel	Knoxville, Knox Co.
High School	Albert Ruth	Knoxville, Knox Co.
Haynes-McLean School	W. W. McLean	Lewisburg, Marshall Co.
Academy	S. A. Mynders	Lexington, Henderson Co.
High School Dept.	J. G. Meadors	McMinnville, Warren Co.
High School	Geo. W. Gordon, Sup't, C. H. Collier, Prin.,	Memphis, Shelby Co.
High School Dept.	J. C. Cheek	Milan, Gibson Co.
University School	C. B. Wallace	Nashville, Davidson Co.
Academic School	A. D. Wharton	Nashville, Davidson Co.
High School	Z. H. Brown	Nashville, Davidson Co.
Union Seminary	—Howard	Newbern, Dyer Co.
High School Dept.	J. M. McCallie	North Knoxville.
High School Dept.	A. S. Abernathy	Pulaski, Giles Co.
McMinn Academy	————	Rogersville, Hawkins Co.
Peabody High School	G. R. McGee	Trenton, Gibson Co.
High School Dept.	————	West Knoxville, Knox Co.

II. IN OTHER STATES.

By resolution of the Board of Trustees high schools and academies in other States will be admitted to the accredited list under the same rules. These schools are each given one free scholarship in the Academic department, to be awarded by its principal to the best graduate or proficient applying and qualified for admission. The successful contestant is entitled to free registration and tuition in any class or course for a period

not exceeding four years, or until dismission. When a vacancy occurs, the principal of the school is entitled to appoint a successor. The following schools have been admitted to this list:

Name.	Principal.	Address.
Asheville High School Department	P. P. Claxton, Sup't.	Asheville, N. C.
Bingham School	R. Bingham, Sup't.	Asheville, N. C.
Peabody High School	R. H. Parham	Little Rock, Ark.
University School	T. A. Steele, R. O. Price	Kansas City, Mo.
University School	J. H. Hinemon	Monticello, Ark.
Yerkes School	W. L. Yerkes, A. M.	Paris, Ky.

The following regulations will govern this matter:

(*a*) The masters of schools should apply to the President, stating that they approve of, and will co-operate with us in carrying out the above plan. Each principal will be expected to make a statement of the subject once every term before his school, and to publish a notice of it in his catalogue or announcement.

(*b*) The President will appoint a member of the Faculty to examine the school and report. The school will be enrolled by vote of the Faculty when the report has been received.

(*c*) The Faculty of the University will endeavor to advance the interests of the accredited schools in every possible way. This University will pay all expenses of the examination of schools, and provide blank appointments to scholarships.

Principals of schools are invited to correspond with the President of the University with reference to the accredited list and scholarships.

OTHER SCHOLARSHIPS.

One free scholarship in the College will be given to each of the accredited schools. (See above.)

The Faculty awards, at the close of each session, a free scholarship, good for the following year, which includes exemption from all College fees, except damage and lights, to the best regular student in the Freshman, Sophomore and Junior Class, respectively, of all courses.

Actual teachers, in public or private schools, who are prepared to enter the Freshman class, receive free tuition. (See Teachers' Department.)

All candidates for the gospel ministry in regular standing in their church organizations receive free tuition.

APPRENTICESHIPS.

Twelve apprenticeships, or positions for work, are awarded meritorious under-graduate students by the President, on the recommendation of the professors in the various departments. They enable their holders to earn about one hundred dollars a year. There are four apprenticeships in the

Agricultural department and four in the Mechanical department each, which secure work on the farm and in the shops respectively. Four other apprenticeships are allotted to the other departments. Compensation is rated according to the actual amount of work performed.

FELLOWSHIPS AND INSTRUCTORSHIPS.

There are four fellowships, worth about two hundred dollars a year, which are available for postgraduate or special advanced students. The University will require of the fellows a proper amount of work of a suitable nature to be assigned by the President. Preference will be given to students taking a regular graduate course.

There are a number of instructorships and positions as assistants in the University, paying from three hundred to six hundred dollars per annum, which will be filled as they become vacant, with graduates of our own or other institutions who seek opportunities for advanced work. Applications should be addressed to the President.

REGULATIONS OF EXAMINATIONS AND GRADES.

The recitations and other class exercises of each student are graded to a fixed scale. At the end of each quarter-term (five weeks), these marks are averaged for each study, and the results, together with the demerit marks and absences, if any, are communicated to the parent or guardian. At the end of each term examinations are held in each class, embracing all the studies of the term. In addition to the regular examinations, partial examinations or written recitations are held from time to time at the discretion of the instructor. These are held at the usual hours and counted as regular class exercises. In order to pass on a term's work of a class, a student must make at least 50 per cent. on the term examination, 60 per cent. on class standing, and 60 per cent. on the average of the two. In order to be conditioned, he must make at least 40 per cent. on the term examination and 50 per cent. on general average. If his examination falls below 40 per cent., or his general average falls below 50 per cent., he is dropped. A conditioned student may continue, during the following term, a subject in which he is conditioned; and he may take any subject for which the subject in which he is conditioned is a prerequisite.

A condition incurred as above may be removed in either of the following ways: (a) By passing an examination in the subject, such examination to be held not less than six weeks after the beginning of the following term; the date of the examination to be determined by the instructor in the subject. (b) In a subject which is continued in the following term, and in which a knowledge of the matter of that following term necessarily implies a knowledge of the matter of the preceding term, by standing 70 per cent., or above, on the work of that following term. In case a

condition is not removed as provided for above, the mark in that subject will be changed to a "drop."

Absence from an examination, except on account of sickness or other necessity, will be regarded as a serious delinquency. In case of such a necessity, the student shall be conditioned in that subject and shall remove his condition by examination within two weeks after returning to University work, or the mark will be changed to a "drop." A student conditioned during the first term, who fails to remove that condition during the second term will under no circumstances be allowed to continue in that class longer than the close of that second term. Those who are inattentive or fail to make any progress in their studies may at any time be requested by the Dean to withdraw.

GOVERNMENT.

The University does not undertake to prescribe in detail either its requirements or prohibitions. Students are met on a plane of mutual regard and helpfulness. Our appeal is to a proper sense of the proprieties of life and the necessities of such an organization. *It does not require a gross and overt act to sever the connection of a student to whom such appeal proves vain.*

It is expected of every student:

That he will be a gentleman in all relations and associations.

That he will be diligent in study, prompt and regular in attendance on all prescribed exercises, class, chapel, drill, examinations, Bible class and church, and give careful application to the duties of the same with respectful attention to those conducting them.

That he will properly observe the hours set apart for study, by remaining in his proper place and refraining from noise or disturbance of any kind.

That contemplated changes of room, board, classes, courses, etc., or plans for any unusual entertainments, meetings or exercises will be submitted to the Dean for approval before action is taken.

Indulgence in vice in any of its forms will lead to the prompt exclusion of the person from the University.

MILITARY SCIENCE.

Instruction is provided in Military science in accordance with the Act of Congress creating the land-grant, on which the University is founded, and the contract of the Board of Trustees with the State of Tennessee.

All students of the Freshman and Sophomore years receive instruction in this science and training in its practical exercises. Such students are required to provide themselves with the University uniform.

PHYSICAL TRAINING.

A gymnasium, thoroughly equipped with baths, lockers, and standard apparatus, has been provided for the physical training and development of students, in connection with the University Y. M. C. A. building.

This is under the care of an experienced instructor in physical culture, who examines each student at his entrance, and at stated intervals thereafter, takes his physical measurements and prescribes such exercises as may be required for his complete and symmetrical bodily development. Systematic instruction is given, both to classes and to individuals. The gymnasium is open for voluntary exercise, at suitable times, to those who have been properly instructed. The practical instruction in Military science is found to be a most valuable aid in the physical training of students. Athletics are under the direction of the Athletic Association and the supervision of a committee of the Faculty.

MUSIC.

Private instruction in vocal and instrumental music is given individuals or classes at the University by competent licensed teachers. A trained choir leads the music at chapel exercises. The students usually organize a Glee Club and an Orchestra, and the Military department has a Band which receives regular instruction. The Auditorium is supplied with a fine pipe organ.

RELIGIOUS SERVICES.

Students are required to attend chapel exercises every week day, and Bible class and service once every Sunday at some church selected by them, or, in case of minors, by their parents. Established by a government that recognizes no distinction of religious belief, the University seeks neither to promote any creed nor to exclude any; but it will always do everything in its power to promote the religious spirit and life.

Y. M. C. A.

The University Y. M. C. A. is a voluntary organization of about two hundred students, professors, and alumni, for the promotion of religious culture and for Christian work in the University. It maintains a reading room, gymnasium, social rooms, and rooms for proper amusements in a handsome building erected by the efforts of its members upon the University grounds.

The Association employs a General Secretary, conducts a series of Bible classes and religious meetings, and does all the work usually done in the ordinary community by a religious congregation. Students have, in addition, all the benefits of the religious exercises held at the various churches in the city.

The Association also provides a course of free public lectures and gives frequent receptions and social entertainments. It has made its building, in this way, the religious, social, and athletic headquarters of the University.

A committee of the Association waits upon new students at the trains and at the building during the first week of each term and assists them in making all their permanent arrangements.

STUDENT ORGANIZATIONS.

There are two literary societies, of long standing and excellent character, connected with the University. These societies are highly prized by the Faculty, as well as by the students, and form no unimportant part of the advantages offered by the University. They have handsome halls for their meetings, which are held weekly. They give frequent public exhibitions.

There is an Engineering Society, a Students' Magazine, a Glee Club, an Orchestra, a Camera Club, an Athletic Association, with various subordinate clubs for tennis, base-ball, foot-ball, etc., besides a number of class, social, and other organizations of an improving character.

THE SESSION.

The Collegiate Year, or Session, embraces a period of forty weeks, beginning the second Thursday of September, 14th, this year, and closing with the Wednesday of the fortieth week, June 13th, next year, which is Commencement Day.

EQUIPMENT.

LOCATION.

The University is situated in the suburban town of West Knoxville, one-half mile from the Custom-house, the center of the city of Knoxville.

Its location, eleven hundred feet above the sea, in the mountains of East Tennessee, is unsurpassed for healthfulness and beauty. The twelve large buildings stand in a beautiful campus of forty acres, covering a high hill on the north bank of the Tennessee river. They command a view of the valley of the Tennessee river, from the Smokies to the Cumberland mountains, a distance of one hundred miles.

The University has a complete system of drains and sewers and all the improved sanitary arrangements. The public buildings, dormitories and grounds are lighted with incandescent electric lights, operated from the Mechanical department.

BUILDINGS.

There are eleven large brick and stone buildings in the beautiful campus of forty acres, three of them new.

The Science hall contains the auditorium, President's offices, the library, reading room and seminary room, the laboratories of Chemistry and Physics, and the drawing rooms and lecture rooms of the schools of Civil engineering and of Mechanical engineering.

The Experiment Station and Agricultural building contains the laboratories, lecture rooms, and museum of Agriculture, Botany, Zoology, Geology, and Agricultural chemistry each, and the library and offices of the Experiment Station.

Old College contains the lecture rooms of the Teachers' Department and of the School of History and Philosophy.

North college, East college, West college and the Janney building are used for dormitories.

South college is occupied by the Dean's and Bursar's offices, and the lecture rooms of the schools of Law, Mathematics, Latin, Greek, French, German and English, and the halls of the literary societies.

The Mechanical building contains the laboratories and shops of the School of Mechanic arts.

The Steward's hall contains the residence of the Dean and the boarding department.

The Y. M. C. A. building contains the gymnasium, etc.

The President's residence is on the grounds.

LIBRARY.

The library has been installed in the ample and elegant new quarters provided for it in the Science hall and completely arranged so as to make its eleven thousand volumes easily accessible to students. It will now be steadily increased.

It occupies an entire floor of this new building. The library hall contains at present fourteen large double stacks, each capable of holding about one thousand volumes. The card catalogue and delivery desk are in this room. A large, well lighted and ventilated reading room contains a well selected list of standard periodicals, magazines, current publications and technical reviews. Some of the rare and handsomely illustrated books are placed in a wall stack in this room. Collections of rare manuscripts, old volumes, autographs, etc., are exhibited in showcases. The cases in the seminary room are divided into departments to correspond to the different departments in the University. Here are placed the general works of reference, such as cyclopaedias, dictionaries, bound files of reviews, etc., and also the special works selected from time to time by the heads of departments for the use of their classes. The librarian's office is conveniently arranged for cataloguing and storing new books.

A professionally trained librarian is in charge, and the library is kept open during the entire day.

A special library of scientific agriculture and natural history has been established in connection with the Experiment Station. It contains at present three thousand volumes.

LABORATORIES.

In the new Science hall are located the extensive and commodious chemical laboratories. There are twelve apartments in all devoted to this purpose.

On the first floor are the metallurgical and assay laboratories, lecture room, preparation and dark rooms. On the second floor are located the quantitative and qualitative laboratories, balance room, library, store room, private laboratory and office; also an open porch for the generation of acids and offensive gases. These laboratories are spacious, well lighted, and thoroughly ventilated by large stacks eighty feet in height, which are also used to carry off offensive gases made in the course of chemical work. They are supplied with all the conveniences. In the construction of the new metallurgical laboratory, no pains were spared to make the assaying department complete in every respect. The reduction, as well as the cupelling furnaces, are of the newest and best designs and have ample capacity.

The Schools of Civil and Mechanical engineering have, in the same building, spacious, well lighted drawing rooms, equipped with adjustable drawing tables, boards, models, drawings, photographs, blue print apparatus, etc. The School of Civil engineering has a good outfit of instruments and a testing machine.

The School of Physics has a suite of apartments in the same building, which were arranged especially for it. They are located on the ground floor and in the south end of the building, where the light is best. These laboratories have asphalt floors, all the pipes and wires being laid in open trenches, covered with marble slabs. There are three laboratories, a spectrometer and photometer room, a shop and instrument room, and a lecture room.

The School of Botany and Horticulture has its laboratories in the Agricultural building. It is well supplied with microscopes, books of reference, journals, etc., and has a large herbarium including both phanerogams and cryptogams. This school has a large plant house, a tool house, and several acres in horticultural experiments, fruits, etc.

The School of Zoology has its laboratories, museum and lecture room in the Agricultural building also. There are two laboratories well supplied with microscopes, dissecting instruments, etc. The School has a good collection of models and a large one of alcoholic specimens. The lecture room is arranged for darkening and is supplied with a lantern, etc.

MECHANICAL DEPARTMENT.

The present equipment of the School of Mechanic arts occupies two floors of a building about eighty-four by forty feet, which was erected especially for this purpose. The whole of two floors is occupied by machine shops. A large one-story annex contains the blacksmith shop and boiler room. The third floor is occupied by drawing-rooms, a blue print room, a store room, a laboratory, and an office.

There are two wood-working shops. The first of these is furnished with benches and lockers for tools for carpentering and joining. The second room contains ten speed lathes for wood-turning, with a full set of tools for each lathe, kept in convenient reach on a tool rack. The tools are those required for turning and boring light work.

All the heavier power machines for wood-working are placed in another room on the ground floor. They form a complete set for reducing lumber from its rough state to finished pieces of any kind, ready to be used for pattern-making, cabinet work, or carpentry. Connected with the wood-shops is a drying kiln.

The blacksmith shop has six power blast forges. A full set of tools for light and medium work is provided for each forge. The smoke is drawn away from the forges by a large exhaust fan. Suitable benches and blacksmiths' vises are also provided.

The machine shop is fitted up with twelve benches and vises for use in chipping, filing, and the general work of fitting together the various parts of a machine. There is also an outfit of all the tools needed for the general work of the machinist. These tools are also of the newest and best designs of workmanship. They were selected with a view to showing all the general and more important special methods used in iron working. They include engine and speed lathes, planer, shaper, heavy and sensitive

drill presses, universal milling machine, universal reamer and milling cutter grinder, and emery tool grinder.

Power is furnished by a forty-horse-power Sweet straight line engine and a boiler, the latter located in an annex. The engine runs all the machines and a dynamo for experimental purposes during the day, and at night is belted to the Edison dynamos in the same room for lighting and experimenting, which light the University buildings and grounds. The boiler, beside supplying steam to the engine, heats the building and drying kiln by either direct connection with the heating coils, or with exhaust from the engine.

The Department is well supplied with steam gauges, engine-testing apparatus, volt-meters, ampere-meters, resistance boxes, and other test instruments for electrical engineering.

FARM.

The School of Agriculture has a beautiful and well stocked farm of over one hundred acres, with experimental dairy, stables, silos, root cellars, etc. The Agricultural Experiment Station affords many advantages for scientific students. In addition to the laboratory work of the Station, many experiments are in operation in the green house, on the horticultural grounds, on the farm, and in the stables. A first-class working herd of Jersey and Holstein-Friesian cattle, each, belongs to the farm.

The gymnasium is completely equipped with the best apparatus, baths, lockers, etc. (See under Physical Culture and Y. M. C. A.)

DEPARTMENTS OF INSTRUCTION.

I. SCHOOL OF LATIN.

PROFESSOR JORDAN, MR. DAVIS.

1. Grammar. Translation of the simple prose writers, Nepos or Cæsar, and practice in composition; Sub-freshman class; five hours a week throughout the year. Required for entrance to the Freshman class. This class is provided for the public school teachers (see Teachers' course) and to give conditioned Freshmen opportunity to remove their conditions in Latin.

2. Translations of Virgil and Cicero (orations against Catiline). Gildersleeve's Grammar; a thorough review of the forms with the simpler principles of syntax. Prose composition; Gildersleeve's Exercise Book, second course or equivalent. Mythology. Freshman class; four hours a week throughout the year.

3. Translations of selections from Livy, Books I and XXI, and the Germania and Agricola of Tacitus. Gildersleeve's Grammar, with special reference to the case relations and tenses, and exercises in composition based on this. Gildersleeve's Exercise Book, third course or equivalent. Roman history. Sophomore class; three hours a week throughout the year.

4. Translation of some one of the philosophical works of Cicero, (changed from year to year). Translation of Horace, (Odes and Satires). Prosody of the grammar will be the basis of lectures on metre. Practice in arranging, identifying and scanning the verses. Study of the syntax of the verb in compound sentences and constant practice in writing the same. Gildersleeve's Exercise Book, fourth course or equivalent. Junior class; three hours a week throughout the year.

5. Translation of the Satires of Juvenal, selections from Seneca, selections from early writers. Sight reading. For writing, original connected exercises (weekly) will be prepared by the Professor, or translations from Latin authors to be re-translated into Latin. Senior class; three hours a week throughout the year.

It will be noted that in every class the work of translation from English into Latin is required. In no other way, it is believed, can a mastery of the principles of the language, or facility and accuracy in its use, be acquired.

6. Graduate work. Such students as have completed the above course or equivalent, and desire to prosecute their studies further, either as special students or as candidates for advanced degrees, will be provided

for. The work assigned them will vary from year to year, according to the requirements of the individual. Original work, with whatever reading may be necessary, will be determined in whole or part by the subject selected for thesis.

II. SCHOOL OF GREEK AND FRENCH.

Professor MELLEN.

GREEK.

The following are the requirements for admission to the Freshman Class:

A knowledge of Attic forms and of the leading principles of syntax. Ability to translate simple Attic prose, and elementary exercises from English into Greek.

1. In the absence of facilities for instruction in Greek in the public schools of the State, arrangement is made for a beginner's class. This class studies White's Beginner's Greek Book and prepares for the Freshman class; four hours a week throughout the year.

2. Anabasis (Goodwin); Lysias (Bristol); exercises in Greek prose composition (Jones); grammar (Goodwin); geography and political history. Freshman class, four hours a week throughout the year.

3. Herodotus; Plato's Apology and Crito (Dyer); Homer's Odyssey; Greek prose composition; history of literature; sight reading. Sophomore class, three hours a week throughout the year.

4. Demosthenes on the Crown; Thucydides, Book VII.; Euripides' Alcestis; exercises in prose composition; Goodwin's Moods and Tenses; sight reading; study of metres. Junior class, three hours a week throughout the year.

5. The Wasps of Aristophanes; Theocritus; the Prometheus of Æschylus; exercises in prose composition; lectures on history and literature; sight reading. Senior class, three hours a week throughout the year.

FRENCH.

1. Grammar (Edgren); Reader (Whitney); Halevy's L'Abbe Constantin; DeVigny's Le Cachet Rouge; sight reading. Sophomore or Junior class, three hours a week throughout the year.

2. Victor Hugo's La Chute; Souvestre's Confessions d'un Ouvrier; Corneille's Polyeucte; Racine's Athalie; Hugo's Hernani; grammar (syntax); exercises; sight reading; outline lectures in literature with special reference to the authors read. Junior or Senior class, three hours a week throughout the year.

III. SCHOOL OF ENGLISH AND GERMAN.

Professor to be elected; Mr. DAVIS.

1. Review of the principles of orthography and grammar, followed by a careful study of composition and the elements of rhetoric. Fresh-

man class, all courses, three hours a week throughout the year. In this course written exercises are constantly required.

2. This course is devoted to the study of literature in England and America, with special study of certain periods. Critical essays and parallel readings will be required throughout the course. Sophomore class; general, agricultural, and engineering courses, elective in other courses, two hours a week first term, three hours a week second term.

3. A special course in rhetoric with abundant practice in essay writing and in the critical analysis of selected specimens of English prose. This course consists of text book work. It will probably be followed by the study of poetry. Junior class, General course, elective in others, three hours a week throughout the year.

4. This course will be based on course 3 and will consist of the study of representative writers of English prose and poetry, including an introduction to Middle English. Parallel readings and critical essays are required throughout the course. Senior class, General course, elective in other courses, three hours a week first term, two hours a week second term.

5. Special courses in English will be adapted to the demands of graduate students, hours per week to be fixed by agreement with the class.

GERMAN.

1. A study of forms, exercises in composition, and practice in oral and written translation into English. Elective in Sophomore or Junior class, General course, and other classes of other courses, three hours a week throughout the year.

2. Following 1. The study of grammar and practice in original exercises, with rapid review of forms. Constant practice in translation, both written and oral, in sight reading. Elective in Junior or Senior class, General course and other courses, three hours a week throughout the year.

3. Advanced course, following 2, in the interpretation of German masterpieces and in practice in German composition. Authors to be read and number of hours will be fixed after consultation with students taking the course.

IV. SCHOOL OF HISTORY. POLITICAL SCIENCE, ECONOMICS, AND PHILOSOPHY.

Professor KARNS.

HISTORY.

1. Ancient history: Origin of civilization; oriental nations; history of Greece; history of Rome. Freshman class, all courses, first term, three hours a week.

2. Mediaeval and modern history: Dark ages; period of revival; religious reformation; age of revolution; industrial age. Freshman class, all courses, second term, three hours a week.

3. Biblical history and geography: General view; early races; the chosen people; period of Judges; Israelitish kingdom; Jewish province; New Testament topics. Freshman class, all courses, one hour a week throughout the year.

4. History of England with related events in other countries. Special study: Talks and papers on Roman occupation, Saxon period, Norman conquest, the commonwealth, development of literature, religious movements, growth of constitutional government, modern reform, etc. Sophomore class, General and Agricultural courses, first term, three hours a week.

5. Special studies: Reading, discussions, and theses in the following lines: Philosophy of history; early civilizations; oriental and classical mythologies, Judaism; history of the church, feudalism, Mohammedanism, the crusades, chivalry, the papacy, the renaissance, the reformation, political reform, modern tendencies. Elective and graduate (two years) study, one hour a week throughout the year.

6. American history: Reading and discussion in the line of special topics; studies and theses on local (Tennessee) history. Elective and graduate (first year) study, one hour a week throughout the year.

POLITICAL SCIENCE.

1. History of government, and development of English and American constitutions. Sophomore class, General and Agricultural courses, second term, two hours a week.

2. International law; elective and graduate (second year) study, one hour a week throughout the year.

ECONOMICS.

1. Elements of political economy; Senior class, General, Agricultural, and Civil engineering courses, second term, three hours a week.

2. Advanced economic theory and history of political economy; Elective and graduate (first year) study, one hour a week, throughout the year.

PHILOSOPHY.

1. Elements of psychology; Junior class, General and Agricultural courses, first term, three hours a week.

2. Advanced psychology; elective and graduate (second year) study, one hour a week throughout the year.

3. Elements of logic; Junior class, General and Agricultural courses, second term, two hours a week, elective in other courses.

4. Ethics; Senior class, General, Agricultural, and Civil engineering courses, first term, two hours a week.

5. Metaphysics; elective and graduate (first year) study, one hour a week throughout the year.

6. History of philosophy; elective and graduate (second year) study, one hour a week throughout the year.

V. SCHOOL OF MATHEMATICS.

Professor SCHMITT; one Instructor.

1. Algebra begun; Sub-freshman class, all courses, first term, five hours a week. Text-book: Well's Higher Algebra. This class studies as far as the theory of exponents.

2. Geometry begun; Sub-freshman class, all courses, second term, five hours a week. Text-book: Wentworth's Geometry.

This class, along with the preceding one, is intended for those who have never studied either subject, and gives those who are otherwise regular freshmen the opportunity of making up their deficiency. Pupils are strongly urged to try to prepare themselves for the regular freshman class.

3. Algebra completed; Freshman class, all courses, first term, five hours a week. Text-book: Well's Higher Algebra. This class begins with the theory of exponents and completes the book. For entrance to this class, students must pass a satisfactory examination on the work that is outlined for the sub-freshman year.

4. Geometry completed; Freshman class, all courses, second term, five hours a week. Text-book: Wentworth's Geometry. This class begins with the third book of the geometry and studies through plane and solid geometry. A thorough knowledge of the first two books will be insisted upon before admission is granted to this class.

5. Plane trigonometry; Sophomore class, General and Agricultural courses, first term, three hours a week. Text-book: Bowser's Trigonometry.

6. Plane and spherical trigonometry; Sophomore class, Civil, Mining and Mechanical engineering courses, first term, five hours a week. Text-book: Bowser's Trigonometry. This study is pursued for about three months and is followed by

7. Analytical geometry and calculus; Sophomore class, Civil, Mining and Mechanical engineering courses, five hours a week. Text-books: Hardy's Analytical Geometry, Osborne's Calculus. About four months are given to the former subject and two months to the latter. The calculus is introductory to course 9 as shown below.

8. Analytical geometry; Sophomore class, General course, three hours a week: Text-book: Hardy's Analytical Geometry.

9. Calculus completed, determinants and least squares; Junior class, Civil and Mechanical Engineering courses, first and second terms, three times a week. Text-books: Osborne's Calculus, Peck's Determinants, and Merriman's Least Squares.

Students who elect Mathematics in their Junior and Senior years and are not prepared for this class will be provided for by the Professor.

In all the classes original work is done; that is, examples and problems not found in the text book are given for solution. Except in the large classes, each pupil is called upon to recite at every meeting of the class, thereby insuring attention to each lesson. Special attention is paid

to acquiring the habit of absolute accuracy in the solution of problems. The whole subject of mathematics is taught for its mental training rather than for merely acquiring ability in solving problems.

VI. SCHOOL OF CIVIL ENGINEERING.

Professor Carson.

CIVIL ENGINEERING.

1. Levelling; chain surveying; manipulation of angular instruments; profiles and maps. Required in the Freshman class in the Agricultural and in the Engineering courses. One two-hour period a week throughout the year. Students must, at their own convenience, do a sufficient amount of field work to acquire facility in the use of the instruments.

2. Levelling; land surveying; use of engineering instruments; maps and profiles. Required in the Sophomore class in the Agricultural and in the Engineering courses. One two-hour period a week throughout the year. The work of this class is simply an amplification and extension of the work of the preceding class.

3. Reconnoissances, preliminary surveys and soundings; maps, profiles, estimates, etc.; the location and staking out of engineering works; limes, mortars and cements; foundations; masonry construction. Required in the Junior class in the Civil engineering course. Two two-hour periods and one 4½-hour period a week throughout the year. As the above shows, the work of this class lies mainly in the drawing hall and field.

4. Reviewing and determining the degree of stability of existing structures, designing, working out details and preparing working drawings for such structures as may be proposed by the Professor; experiments and original investigations; lines of carriage, water supply, sewerage, specifications and contracts. Required in the Senior class in the Civil engineering course. Two two-hour periods and one 4½-hour period a week throughout the year.

THEORETICAL MECHANICS.

5. Analytical mechanics (treating of force, moment, acceleration, velocity, path, rotation, friction, work, energy, etc.). Five hours a week during the first term. Required in the Junior class of the Civil and Mechanical engineering courses.

6. Mechanics of materials (treating of stresses in plates, rivets, pins, bolts, ties, struts, beams, columns and shafts). Three hours a week during the second term. Required in the Junior class of the Civil and Mechanical engineering courses.

7. Mechanics of engineering (treating of hydraulics; strength and stiffness of girders, trusses, cables, arches; earth pressures, etc.); discussions, both analytical and graphical. Required in the Senior class, first term in the Mechanical engineering course, first and second terms in the Civil engineering course, five recitations a week.

The school of Civil engineering has a large and valuable assortment of the various engineering instruments and appliances, including a machine for determining the strength and elasticity of materials of construction. Its lecture room, laboratory, drawing hall, museum, engineering instrument rooms, etc., are located in the new Science hall.

VII. SCHOOL OF PHYSICS AND ELECTRICAL ENGINEERING.

Professor PERKINS.

1. Elementary physics; Freshman class for all courses, first or second term, three hours a week.

For the convenience of students in the Teachers' course, and in order to reduce the size of the class, the course is repeated in the second half year. All students who do not wish to take the course in physiography will be assigned to this division. The course consists of recitations from text books accompanied by experimental lectures, and is intended as a general introduction to the subject. No previous knowledge of physics is assumed and no mathematics beyond the elements of algebra. Jones' Heat, Light and Sound and Maycock's First Book of Electricity are used as text-books.

2. General physics; Junior class in the Agricultural and Engineering courses, elective for others, two hours of recitation and one period in the laboratory each week throughout the year. A more advanced treatment of the subject than course 1. Electricity (Thompson's Elementary Lessons supplemented by frequent lectures) is the subject studied during the first term, and heat (Stewart's Treatise) is taken up during the second term. Courses in light or sound may be added or alternated with the course in heat for the second term.

3. Applied electricity; Seniors, in the Civil, Mechanical, and Electrical courses, elective for others, two recitations and one period in the laboratory, weekly throughout the year. This course is designed to meet the requirements of students who desire a practical knowledge of electrical testing and the working of electrical machines. The first term of course 2 will be required of those entering this class. Slingo and Brooker's Electrical Engineering will be made the basis of the work.

4. Thermodynamics; Seniors, two hours a week during the first term, required in the Mechanical and Electrical engineering courses, elective for others. A theoretical discussion of the laws of heat, with special reference to their application to the steam engine. This course can be taken only by such students as have completed mathematical course 8 or 9 and the course in Civil Engineering 5.

In addition to the above, the work in mechanic arts of those students who take the course in Electrical engineering will consist in the construction and testing of electrical apparatus and machinery, and special reading will be assigned in connection with this work.

The physical laboratory occupies a series of rooms on the first floor of the new Science hall. The floors are of asphalt, and as the rooms above are seldom occupied, great freedom from vibration is secured. Two Edison dynamos (125 volts) furnish the currents required in the laboratory. These, together with the engine driving them, are placed in the Mechanical building. In the same building is a variable rheostat of iron wires capable of carrying over two hundred amperes for loading the dynamos. A small storage battery in the laboratory is also provided.

The apparatus, including mirror and standard galvanometers, volt meters, ammeters, Kelvin centi-ampere balance, arc lamp with lantern for lecture purposes, etc., is all new and especially selected with reference to the needs of the department, and additions are constantly being made.

In addition to the classes announced, special facilities will be extended to graduate students, both in laboratory work and in courses of reading and study, and any apparatus required for special researches will, as far as possible, be furnished.

VIII. SCHOOL OF MECHANICAL ENGINEERING AND DRAWING.

Professor to be elected; Mr. Ferris.

1. DRAWING.

The instruction and practice in drawing extend throughout the various classes of the engineering courses. The Freshmen are instructed for one term in free-hand drawing and linear perspective. The work in the upper classes is arranged to suit the course of study which the student is pursuing, or the object which he has in view.

1. Free-hand sketching of models, patterns, pieces of machinery, etc., linear perspective; Freshman class, all courses, first term for Engineering courses; second term for General course, three periods a week.

2. Drawing begun; Freshman class, engineering courses, three hours a week the second term. The class becomes familiar with the use of drawing instruments, in making tracings of standard types of machines and in making detail working drawings to scale.

3. Mechanical drawing; Junior class, engineering courses, three periods a week, throughout the year. The work consists largely of making detail working drawings of standard types of machinery.

4. Machine designing; Senior class, Mechanical engineering course, three periods a week, throughout the session. Original designs of various parts of the steam engine, pump, etc.

II. MECHANICAL ENGINEERING.

1. Descriptive Geometry; Sophomore class, engineering courses, three periods a week, second term. A theoretical study of the subject, together with a number of practical examples, of which drawings are made under each head.

2. Kinematics; Junior class, for Mechanical engineering course, second term, three hours a week. The geometric principles of machines and relative motion of the different parts, as the link-work, cams, gearing and belting; the relative motions of pistons and cranks, eccentrics and valves, etc.

3. Materials of construction; Senior class, Civil and Mechanical engineering courses, second term, three hours a week. The origin, nature, method of preparation and useful properties of the common metals and other materials used in engineering structures, and their strength, elasticity and other essential qualities.

4. Prime movers; Senior class, Civil and Mechanical engineering courses, first term, two hours a week for the civil engineers, with an additional three hours a week for the mechanical engineers, during the second term. In this course the various boilers and engines in use, together with the various link and valve motions, the indicator and its applications, and the proportioning of the different parts of the engine, are studied.

IX. SCHOOL OF MECHANIC ARTS.

Mr. McColl, Acting supt.; Mr. Guinn, foreman Machine shop.

The object of this School is not to train mere artisans, such as carpenters, pattern-makers, blacksmiths and machinists, but to educate engineers who will have that practical knowledge of the essentials of all construction which will qualify them to direct such work intelligently and to judge as to its proper execution.

The staff of the School of Mechanic arts consists of a superintendent, a machinist, a blacksmith, a day engineer and a night engineer. The latter is in charge of the dynamos and electrical apparatus.

The regular course in Mechanic arts begins with the first term of the Freshman year, and extends, with the exception of the last half of the Sophomore year, through the whole four years of the Mechanical and Electrical engineering courses.

1. Wood-working: Exercise with hand tools and turning lathe; Freshman class, fall term, for all courses, except the General, three periods a week. (These periods are at least two hours each.)

2 Wood-working: Care and use of power tools, including those for sawing, planing, jointing, shaping, moulding, boring and mortising, as required for pattern making and cabinet work; Freshman class, spring term, for the Agricultural, Civil, Mechanical and Mining engineering courses, three periods a week.

3. Iron-working: Exercises in forging, welding, and tempering; Sophomore class, fall term, for the Agricultural, Mechanical and Mining engineering courses, three periods a week.

4. Iron-working: Exercises in the use of hand and power tools in the machine shop; Junior class, for the Mechanical engineering course, three periods a week, throughout the year.

5. Machine construction, requiring general use of machine tools; Senior class, fall term, for the Mechanical engineering course, three periods a week.

6. Expert, work bringing into use all skill acquired in the various branches of shop-work; for the Senior class, spring term, six periods a week.

X. SCHOOL OF CHEMISTRY AND METALLURGY.

Professor WAIT.

The courses in Chemistry are arranged to give a good general knowledge of chemistry to the students in the General course, but with special reference to the demands of students who wish to complete the courses leading to the degrees in Agriculture, Civil and Mining engineering.

The work in this school is prosecuted for three years under the following heads:

1. Inorganic chemistry; Sophomore class, for all courses, first term, three hours a week.

2. Qualitative analysis; Sophomore class, for all courses, second term, three hours a week. The students in this class spend at least six hours each week at practical work. Each one is assigned to a working table, supplied with apparatus and chemical reagents.

3. Quantitative analysis; Junior and Senior classes, for Mining engineering course, elective in others, six periods a week. The laboratory instruction is designed to prepare the student for the work in the varied chemical industries to which his attention may hereafter be directed. Particular stress is paid to the analysis and valuation of the ores of the commonly occurring metals, as well as to the products of most metallurgic operations.

4. Chemical technology; Junior class, for Mining engineering course, elective in others, second term, three hours a week.

Among the subjects discussed in this course are: Products of chemical industry, glass, mortars, cements, paper, sugar, wine-making, oils, paints, dyeing and printing, bleaching, gas, fuel, etc.

5. Metallurgy; Senior class, for the Mining engineering course, elective in others, first term, three hours a week.

Instruction in this subject is given by lectures and text books, supplemented by laboratory practice. The principles of furnace construction and general metallurgic operations are discussed and special illustrations are given of all the methods described. Frequent excursions are made to the metallurgical works in this and the adjoining States.

6. Assaying; Senior class, for the Mining engineering course, elective in others, second term, five periods a week.

In this course there is the usual practice in the fire assay of the ores of lead and silver, of argentiferous and auriferous native compounds and artificial products, and in the docimastic valuation of the ores of the most prominent metals.

Fire assays: Gold and silver ores and mill checks are made the subject of special study. Assays, both by crucible and scorification methods, are required. Lead and copper ores are assayed by suitable fire methods.

Wet assays: Volumetic methods are carefully studied and applied to the rapid estimation of copper, iron, zinc, etc.

A short course in quantitative blow-pipe analysis will be given, and a course in determinative mineralogy.

Special students may pursue, at their discretion, the study and analysis of any class of ores or metallurgic products. Young men, who have neither the time nor means to spare to take the full course, may accomplish much in the way of chemical analysis by devoting their entire time to it during a single year.

Special arrangements will be made for advanced and original work in chemistry.

XI. SCHOOL OF ORGANIC AND AGRICULTURAL CHEMISTRY.

President Dabney.

The instruction in these subjects begins in the Junior year. Students must have had the course in general chemistry before they can take either of the subjects in this school.

1. Organic Chemistry; lectures, a systematic course; readings and explanations of the literature of the subjects; Junior class of the Agricultural course, elective in other courses, three hours a week, first term.

2. A course of lectures on Agricultural chemistry; chemistry of plants and plant products, soils, air, fertilizers, etc.; Junior class, Agricultural course, elective in other courses, three hours a week, second term.

3. A laboratory course in Agricultural chemical analysis will be given to those who desire to become agricultural chemists, and have had Chemistry 1 and 2, and the Junior year of Chemistry 3. The estimation of phosphates, potash and nitrogen compounds by the different methods; the analysis of ashes, of soils, feeding stuffs, etc.; experiment station chemical methods and calculations; original research.

XII. SCHOOL OF AGRICULTURE.

Professor Vanderford; Mr. McCallie.

The course of instruction is both theoretical and practical, and follows a system proceeding from the more elementary to the higher studies underlying agriculture.

1. Physiography; a study of the physical changes of the earth's surface, formation of soils, etc.; Freshman class of all courses, second term, three hours a week.

2. History of agriculture, and the chemistry of the farm, followed by a general discussion of soils, drainage, tillage, fallowing, manures and rotation of crops; Sophomore class, of the Agricultural course, second term, three hours a week. Required also in Teachers' course.

3. Cereals and grasses, weeds, farm fences and architecture, agricultural implements and road making; Junior class, Agricultural course, second term, three hours a week.

4. Live stock, breeds of domestic animals, their care and management; live stock breeding, dairying, feeding stuffs, etc. Farm management and accounts, farm law, etc.; Senior class, Agricultural course, first term, three hours a week.

5. Experimental work in connection with the Experiment Station; preparation of thesis, which must represent some original experiments carried out and reported upon; Senior class, Agricultural course, second term, three hours a week.

Practical instruction is given upon the farm as occasion demands. Students are called upon to assist in the experimental work in progress and are fully instructed in regard to it. Four agricultural apprenticeships have been established by the University, and are available for the students of this course who give promise of industry and take special interest in farm matters. Such apprentices have regular, suitable work assigned them, for which they are paid at the usual rates. Other students are given steady instructional employment at the farm under proper conditions.

The college farm is well equipped with buildings; a dairy, silos and root cellars, in addition to the usual barns, stables and other farm buildings. It owns a very fine herd of Jersey cattle and a smaller one of Holsteins. The farm has a fine outfit of agricultural implements of nearly every kind that can be used in this country.

GEOLOGY.

The instruction in Geology has been temporarily attached to this school.

1. The Geology of Tennessee; study of the physical features of our State, its natural resources, with special reference to its agricultural and its other leading industries; required in the Teachers' course, elective for others, second term, three hours a week. This is a course of lectures and recitations, and is intended especially to prepare the public school teachers to give the instructions required to be given by the State law in the Geology of Tennessee.

2. Mineralogy and Geology; dynamical and systematic, historical geology; Senior class of the Agricultural, Civil engineering courses and Junior class of the Mining engineering course, elective in others, twice a week throughout the year. The instruction is given by lectures and text books, and is accompanied by laboratory work and by frequent excursions into the neighboring country, with exercises in drawing sections, determining faults, etc.

XIII. SCHOOL OF BOTANY AND HORTICULTURE.

Professor LAMSON-SCRIBNER; MR. WATTS.

1. Botany begun; elementary, structural and systematic, determination of species, of phanerogams and the preparation of herbarium specimens; Sophomore class, required in Agricultural course, elective in General course, second term, three hours a week, two lectures and one laboratory period.

2. Botany, histological, physiological and cryptogamic; Junior class, required in Agricultural course, elective in General course, two hours a week, throughout the year; laboratory work.

3. Botany, systematic and economic, special investigations; Senior class, elective, three hours a week; laboratory work.

4. Horticulture; Senior class, required in the Agricultural course, two hours a week, throughout the year.

1 must be preceded by a course of free-hand drawing, and is a prerequisite to 2, as 2 is to 3. 4 must be preceded by 1 and 2.

Instruction will be given in the use of the compound microscope and the principal microscopic reagents in the study of vegetable histology. Lectures on economic botany and plant pathology, with laboratory work in the investigation of the diseases of plants caused by vegetable parasites will enter into the course.

Special students and graduates will be provided with facilities for prosecuting advanced work in systematic botany in the study of grasses, in the study of vegetable histology or in plant pathology.

The School of Botany is well supplied with microscopes, books of reference, journals, etc., and has the use of a large herbarium, including both phanerogams and cryptogams.

Grafting, budding, layering and other methods of propagation, pollination and hybridizing will enter into the course of Horticulture. Outdoor culture, management of hot beds, cold frames and culture under glass will be considered. The principles of viticulture and the important points in the culture and management of the leading fruit trees and vegetables, as well as the diseases affecting them, will be treated. The fruits and vegetables cultivated on the horticultural grounds of the Experiment Station, the plant house and the University grounds will afford ample material for the practical investigation of the subject.

The aim is to teach habits of close and critical observation, and to fit students to conduct original investigations in any department of the science.

XIV. SCHOOL OF ZOOLOGY.

. . . . . ; MR. MCCALLIE.

1. Elementary systematic zoology; Junior class, Agricultural course; Sophomore class, elective in General course; first term, three hours a week, lectures. Intended to give such students as are not going to pursue zoological studies further, some knowledge of the structure of the great groups of animals.

2. Physiology and hygiene; Sophomore class; Junior class of Agricultural course, elective in General course; second term, three hours a week. It is a prerequisite to all the following courses and designed especially to give the student that knowledge of his own body and of the laws of health relating to it, that are necessary to enable him to care for it properly, and to cope intelligently with the causes of disease.

3. Zoological methods; Sophomore class; elective in General course; second term, two hours a week. Laboratory work. This should follow Zoology 1 for such students as intend to take any of the following classes, to all of which it is a prerequisite.

Zoology 1 in the first term, and Zoology 2 or 3 and Botany 1 in the second term, give a full year in elementary biology, and should always be taken together.

4. Systematic zoology; elective in all courses for students who have had Zoology 1 and 3, through the year; three hours a week. Laboratory work, with occasional lectures on the structure of the different animals.

5. Entomology; Senior class, Agricultural course; first term, three hours a week. Largely laboratory work.

6. Histology; elective in all courses for students who have Zoology 1 and 3; first term, two hours or more a week. This course is designed to give those who intend to study medicine a thorough knowledge of histological methods, and as much of the subject matter of histology as the time devoted to it will permit.

7. Human physiology; elective in all courses for students who have had Zoology 1 and 3; second term, three hours a week. Advanced laboratory course with especial reference to the physiology of foods and digestion, for prospective teachers and students of medicine. In addition to the regular classes outlined above, individual work will be laid out for special and graduate students who are prepared to pursue it with only occasional guidance and advice from the instructor.

XV. SCHOOL OF MILITARY SCIENCE AND TACTICS.

Professor Tyson.

1. Practical instruction; required of all Sub-freshmen, Freshmen and Sophomores, all courses, and optional with all other students; first and second terms, five hours a week throughout the year, except between December 15th and March 1st, when this time will be devoted to theoretical instruction. The practical instruction embraces:

Infantry drill, school of the soldier, company and battalion.

Ceremonies, dress parade, review, inspection and target practice.

Artillery drill, manual of the piece, mechanical manœuvres.

2. Theoretical instruction; Sophomore class of all courses; first and second terms, one hour a week, from September 7th to December 15th, five hours a week from December 15th to March 1st, and one hour a week from March 1st until the close of the session. This embraces:

Recitation in infantry and artillery tactics and army regulations.

Instruction in the preparation of reports and returns pertaining to a company.

Lectures on organization and administration of the United States army; principles governing in the art of war.

The object of this school will be to give a broad and general course of instruction, divesting it of the purely technical part of military instruction.

ROSTER OF CADET OFFICERS, 1892–'93.

STAFF.

Rice	First Lieutenant and Adjutant.
Troy	First Lieutenant and Quartermaster.
Metcalf	Sergeant Major.
Williams, W. F. C	Quartermaster Sergeant.

COMPANY OFFICERS.

COMPANY A.		COMPANY C.
Sanford	Captain	Phillips.
Crawford, W. B	First Lieutenant	Murphy.
Brown, C. N	Second Lieutenant	French.
Hoodenpyl	Third Lieutenant	Beyland.
Pitman	First Sergeant	Rudisill.
Atkin	Second Sergeant	Peters.
Simmonds	Third Sergeant	Edelen.
Miller, J. P	Fourth Sergeant	Johnson.
Wegener (Color Sergeant.)	Fifth Sergeant	Fleming.
Reynders	Sixth Sergeant	Alexander, J. P.
McCroskey	First Corporal	Llewellyn.
Reed	Second Corporal	Borches.
Boyd	Third Corporal	Polk.
Long	Fourth Corporal	Patten.

BAND.

Williams, W. F. C	Drum Major.
Hudson	First Sergeant.
Stewart	Second Sergeant.
McAnally	Corporal.

UNDERGRADUATE COURSES OF STUDY.

N. B. The figures under First Term and Second Term represent the hours of class work a week in each of these terms. Two hours are required in laboratory, drawing, shop, field, and similar work, where one hour is required for recitation or lecture. To find the actual number of hours of work a week, not including private study, multiply the hours of laboratory, shop, drawing, engineering, field and similar work, required, by 2, and add this to the hours of recitations in English, mathematics, languages, etc., for each week. Private study is supposed to average six hours a day. For further, detailed descriptions of the courses of instruction in each subject and class, see under the schools. The numbers after the subjects refer to the courses there described. For example: "English 1" refers to the first course described under the head of English in "III. School of English and German," and "Mathematics 5 and 8" refers to the course in trigonometry and analytical geometry for the Sophomore class of the General course as described in paragraphs 5 and 8 under "V. School of Mathematics."

GENERAL COURSE.

Leads to the degree of Bachelor of Arts when Latin or Greek are taken; otherwise, to the degree of Bachelor of Philosophy. Gives the option (1) of a classical (Latin and Greek) course, (2) a Latin-scientific course, and (3) by taking a modern language and sciences in lieu of Latin, a literary-scientific course.

FRESHMAN YEAR.

	Hours per week. First Term.	Second Term.
Mathematics 3 and 4	5	5
English	3	3
Latin 2	4	4
History 1, 2 and 3 or Greek 2	4	
Physics 1, first term, and Physiography, second term, or Drawing 1, first term, and Physics, second term,	3	3
	19	19

SOPHOMORE YEAR.

	Hours per week. First Term.	Second Term.
Mathematics 5 and 8	3	3
English 2	2	3
History 4 and Political Science 1	3	2
Chemistry 1 and 2	3	3
Elective in languages (Latin 3, Greek 3, French 1, German 1), 6; or a language 3, and elective in science (Zoology 1 and 2, Botany 1, Surveying, Civil engineering 1), at least 3*	6	6
Military science 2	1	1
	18	18

JUNIOR YEAR.

Elective in languages; three of the following: English 3, Latin 4, Greek 4, French 2, German 2	9	9
Elective in science (Physics 2, Jr. Mathematics 9, Surveying, Civil engineering 1, Botany 2, Zoology 4, 6 or 7, Chemistry 3, etc.) not less than	5	5
Psychology and logic, Philos. 1 and 2	3	2
	17	16

SENIOR YEAR.

Ethics and political science, Philos. 3 and 4	2	3
Elective in languages; three of the following: English 4, Latin, Greek, French, German	9	9
Elective in science, not less than	5	5
Thesis		
	16	17

AGRICULTURAL AND ENGINEERING COURSE.

FRESHMAN YEAR.

Mathematics 3 and 4	5	5
English 1	3	3
Physics 1	3	0
Physiography, Agriculture 1	0	3
Drawing 1 and 2	3	3
Mechanic arts 1 and 2	3	3
Surveying, Civil engineering 1	1	1
	18	18

*That is, must take one of these languages and a science, like Zoology and Botany or may take two languages.

AGRICULTURAL COURSE.

SOPHOMORE YEAR.

	Hours per week. First Term.	Second Term.
Mathematics 5	3	0
Literary elective	3	3
History 1, 2 and 3	4	4
Chemistry 1 and 2	3	3
Botany 1	0	3
Mechanic arts 3	3	0
Surveying, Civil engineering 2	1	1
Agriculture	0	3
Military Science	1	1
	18	18

JUNIOR YEAR.

To be elected in languages or literature	3	3
Psychology and logic, Philosophy 1 and 3	3	2
Zoology 1 and 2, Physiology	3	2
Botany 2	3	3
Organic and agricultural chemistry 1 and 2	3	3
Agriculture 3	0	3
Physics 2	3	3
	18	19

SENIOR YEAR.

Ethics, Philosophy 4, and Economics 1	2	3
To be elected in languages or literature, at least	5	5
Agriculture 4 and 5	3	3
Mineralogy and geology 2	2	2
Entomology, Zoology 5	3	0
Horticulture 4	2	2
Thesis		
	17	15

ENGINEERING COURSES.

SOPHOMORE YEAR.

Mathematics 6 and 7	5	5
English 2	2	3
History 1, 2 and 3	4	4
Chemistry 1 and 2	3	3
Descriptive Geometry, Mechanical engineering 1	0	3
Mechanic arts 3	3	0
Surveying, Civil engineering 2	1	1
Military Science	1	1
	19	20

CIVIL ENGINEERING COURSE.

JUNIOR YEAR.

	Hours per week. First Term.	Second Term.
Mathematics 9	3	3
Mechanics, Civil engineering 5 and 6	5	3
Physics 2	3	3
Drawing 3	3	3
Materials, Mechanical engineering 3	0	3
Civil engineering 3	4	4
	18	19

SENIOR YEAR.

Mechanics, Civil engineering 7	5	5
Civil engineering 4	4	4
Physics	3	3
Prime movers, Mechanical engineering 4	2	0
Ethics, Philosophy 4, and Economics 1	2	3
Mineralogy and geology 2	2	2
Thesis		
	18	17

MECHANICAL ENGINEERING COURSE.

JUNIOR YEAR.

Mathematics 9	3	3
Mechanics, Civil engineering 5 and 6	5	3
Physics 2	3	3
Drawing 3	3	3
Kinematics, Mechanical engineering 2	0	3
Mechanic arts 4	3	3
	17	18

SENIOR YEAR.

Mechanics, Civil engineering 7	5	0
Prime movers, Mechanical engineering 4	2	3
Physics 3	3	3
Machine design, Drawing 4	3	3
Machine construction, *Mechanic arts 5, / Expert work, *Mechanic arts 6,	3	6
Thermodynamics, Physics 4	2	0
Materials, Mechanical engineering 3	0	3
Thesis		
	18	18

*Students desiring the course in practical electricity put all of this time in the physical laboratory or the shop upon electrical experimentation and construction.

MINING ENGINEERING COURSE.

JUNIOR YEAR.

	Hours per week. First Term.	Second Term.
Quantitative analysis, Chemistry 3	6	6
Physics 2	3	3
A modern language	3	3
Drawing 3	3	0
Chemical technology, Chemistry 4	0	3
Mineralogy and geology 2	2	2
	17	17

SENIOR YEAR.

Mineralogy (determinative)	2	0
Metallurgy, Chemistry 5	3	3
A language, literature or philosophy	3	3
Physics 3, or organic chemistry 1 and 2	3	3
Quantitative analysis, Chemistry 3	6	6
Assaying, Chemistry 6	0	2
Thesis		
	17	17

GRADUATE COURSES AND DEGREES.

All the schools offer graduate courses of instruction and opportunities for special work. Graduates of our own or other institutions of equal standing are admitted to this department. Tuition is free to all graduates.

The following courses are offered:

1. For graduates of the General course, as above, a two years' course in elected languages, literature or sciences, leading to the degrees of Master of Arts or Master of Science, as the case may be.

The degree of Master of Arts "in course" has been abolished.

2 After graduating as Bachelor of Science in Civil engineering, two years of additional study, successfully pursued at the University under the direction of the Faculty, entitles the student to the degree of Civil Engineer. This graduate work involves attendance on one or two of the regular classes of the University, to be elected by the student with the approval of the Faculty; a course of reading under the Professor of Civil engineering; the preparation of such designs, calculations, estimates, criticisms, and the making of such experiments and original investigations as may be required by the professor.

3. Bachelors in the Mechanical engineering course take two years additional work of investigation, laboratory and expert work for the degree of Mechanical engineer.

4. Bachelors in the Mining engineering course are offered a two years' course in chemistry, metallurgy, geology and mine exploitation leading to the degree of Mining engineer.

For the degree of Doctor of philosophy, Ph. D., three years of resident, graduate study under the direction of the Faculty, including at least three schools in the University, and a satisfactory thesis giving the results of an original investigation, are required.

For the requirements for the professional degrees of Bachelor of Laws, Doctor of Medicine and Doctor of Dental surgery, see under the Law, Medical and Dental departments.

No purely honorary degrees are conferred by the University of Tennessee.

EXPENSES.

IN THE ACADEMIC DEPARTMENT.

1. College fees: for each term of twenty weeks:

Tuition in all departments (scholarship students free)	$25 00
Registration fee (scholarship students free)	10 00
Contingent fee*	10 00
If college room is occupied—room rent, with electric light, each person	7 50

College fees for each half session must be paid before the close of the tenth day of the term. No one can matriculate for less than one whole term, and *under no circumstances* will any part of such fees be returned.

No tuition or registration fees are paid by State scholars, graduates, *bona fide* professional teachers, or candidates for the gospel ministry, properly accredited.

Students will be held responsible for damage done by them to buildings, furniture, apparatus, or other property.

Students working in the Chemical laboratory will pay a fee of $10.00 per half session. They will also pay for chemicals and material consumed and provide their own glass, porcelain and platinum.

The laboratory fee in Physics, Botany and Zoology is $2.50 each per half session.

Students working in the Mechanical department will pay a fee of $5.00 per half session for material, wear and tear of tools, and power.

The diploma fee is $6.50.

2. Estimated living expenses:

a. Outfit: good for a year or longer:

Cadet uniform and cap	$19 00
Room furniture, with room-mate, about	8 00
Books, stationery, etc., about	10 00
Total	$37 00

All collegiate students below the Junior class will be required to have the regulation uniform, which is ordered after matriculation.

*For convenience, old incidental, library, reading-room, etc., fees have been included in one fee.

b. Current expenses for a term of twenty weeks:

Board, at Steward's hall, $2.50 a week	$50 00
Washing, $1.50 per month	7 50
Fuel (two in room)	2 50
Total	$60 00

Totals, for one term, or half session, living in college:

	Scholarship Student.	Non-Scholarship Student.
1. Outfit (once only)	$37 00	$37 00
2. College fees, including room	17 50	52 50
3. Current expenses, board, average, at Steward's hall	60 00	60 00
Totals	$114 50	$149 50

LODGING AND BOARD.

Students occupy rooms in the University buildings or live with private families approved by the Dean. The University rooms are supplied with grates and electric lights, complete. Students provide simple furniture for their rooms. They usually bring their bedclothing, towels, etc., from home.

Board is provided at different rates, as follows:

1. In private messes, at $2.00 per week.

2. At the Steward's Hall, at $2.50, $3.00 and $3.50 per week. The student can take any grade of board he wishes.

3. Board in approved private families can be had at from $3.50 per week up. Washing is $1.00 to $2.00 per month. Lodging, board, fuel and lights can be obtained in good private families at from $15.00 to $25.00 per month, according to location and number in room (one or two).

TEACHERS' DEPARTMENT.

As the head of the public educational system of the State, the University has a duty to discharge in regard to the public schools. The greatest question connected with these schools is how to obtain an adequate supply of competent teachers. Since the establishment of secondary schools in the State, the demand for such teachers is greater than ever. Our public school teachers are earnestly seeking to obtain a better education, either by private study or by teaching school and attending school alternately, in order to qualify themselves to take these positions. The Teachers' Department was organized to train teachers for all the schools, but, at this time, its courses of study are arranged especially to give this class of public school teachers the opportunity to advance themselves.

COURSES OF STUDY.

The courses of study are arranged to suit the demands of two distinct classes; first, young persons desiring to prepare themselves for the profession of teaching; secondly, actual teachers holding certificates as to their general education and desiring to prepare themselves to take positions in secondary schools, or as principals and superintendents of schools.

1. The full, or regular course, will cover two academic years, the first, or fall term of each year being devoted to general academic work, and the second, or spring term, to include work of a professional character. Persons who have never taught, or have no certificate, will be required to take this course. They will be expected to take regular work as other Academic students and to conform to all the rules and requirements of such students.

2. A special course of study is arranged to meet the demands of actual teachers having some general education. It will begin with the spring term, so as to accommodate that large class who find it necessary to teach during the fall. For those who desire to begin their studies immediately after the Christmas holidays ample provision is also made.

ADMISSION.

Persons having a good common school education and of proper char-

acter, will be admitted, upon examination, as other academic students, to the regular course (1). Tennessee students get free scholarships in the Academic department.

Actual teachers from all States, holding certificates from county or city superintendents that they have taught at least one session, will be admitted to the Teachers' special course (2) and will receive free instruction.

Teachers can enter, thus, either at the opening of the session, in September, the first of January, or with the opening of the second term, in January of each year. The Teachers' special course (2) begins next year on Thursday, the 25th of January, and continues until Commencement, the 13th of June. The complete Special course extends over two such terms, the second term beginning in January, 1895.

1. TEACHERS' REGULAR COURSE.

Candidates for teachers' certificates must complete the courses prescribed or pass satisfactory examinations in the following subjects:

Mathematics: Higher arithmetic, book-keeping, algebra and geometry.

English: Composition, rhetoric, general history, Biblical literature and government.

Latin: Grammar, Cæsar, Cicero and Virgil.

Pedagogics: The whole course below, which must be taken here.

Science: Elementary physics, physiology and hygiene, agriculture and geology of Tennessee.

Those completing this course honorably will receive certificates that will entitle them to teach in any public school in Tennessee without examination. Candidates for certificates must, in all cases, have spent at least two terms at this University.

2. TEACHERS' SPECIAL COURSE. SPRING TERM.

FIRST YEAR.

I. A review of the primary school studies with special reference to methods of teaching them, followed by English grammar and composition, higher arithmetic and book-keeping; five hours a week.

II. Latin, with any class for which prepared; Prof. Jordan, three to five hours a week.

III. Algebra; Prof. Schmitt, five hours a week.

IV. Sciences: (1.) Physiology and hygiene, three hours a week; (2.) Physics, three hours a week.

V. History, any class for which prepared; Prof. Karns, three hours a week. Biblical literature; Prof. Karns, one hour a week.

VI. History of education; educational theories and systems; reports on schools, and essays on educational topics; three hours a week.

SECOND YEAR.

I. Composition and rhetoric; three hours a week.

II. Latin, with any class for which prepared; Prof. Jordan, three to five hours a week.

III. Algebra reviewed; Prof. Schmitt, five hours a week for four weeks, followed by geometry, with either of two classes, four or five hours a week for the rest of the term.

IV. Sciences: (1.) Geology of Tennessee, as required to be taught in the secondary schools, three hours a week; (2.) Agriculture, as required to be taught in the secondary schools; Prof. Vanderford, three hours a week.

V. History of government and development of American constitution; Prof. Karns, two hours a week.

VI. Pedagogics; elements of psychology; science and art of teaching; school law; organization and management of schools; courses of study; grading schools; supervision, etc.; three hours a week.

SPECIAL STUDIES.

All teachers are required to take the full course in pedagogics. Those who can pass examinations on the other studies in the above course can take, in lieu thereof, any classes in the Academic department for which they are prepared. In addition to their teachers' certificate, they will receive certificates of proficiency in any of these subjects which they may complete and upon which they may pass examinations. Graduates and special students will have advanced courses of study arranged for them. Examine courses of study in the Academic department.

PRIVILEGES.

Students in the Teachers' department have all the privileges of the Academic department, with the use of the reading room, library, literary societies, the Young Men's Christian Association building, etc., under the regulations that govern them. For physical culture a fine gymnasium and military drill are provided, which are, however, optional.

EXPENSES, LODGING AND BOARD.

Tuition is free to actual teachers from all States. (See Admission.)

Small fees are collected in the laboratories to cover cost of material used. Expenses are the same as those of State students in the Academic department. (See page 43.)

Students can occupy rooms in the University buildings, or board with families in the immediate vicinity.

The necessary expenses of a student in this department for one term of twenty weeks are $75.00.

INDUSTRIAL DEPARTMENT

AT KNOXVILLE COLLEGE.

The statutes of the State of Tennessee (see The Code, Art. IV., Sec. 339) direct "that no citizen of this State otherwise qualified, shall be excluded from the privileges of the University by reason of his race or color; but the accommodation of persons of color shall be separate from the white." The Board of Trustees of the University have for many years met the requirements of this clause by providing similar instruction, modified to suit the requirements of the students of this race, in a separate department.

The Industrial Department of Knoxville College, located at Knoxville, Tennessee, is the colored department of the University of Tennessee.

The Board of Trustees of the University elect the instructors and pay all the salaries and current expenses of this department from the Land grant income and additions thereto. The President of the University and the Professors of Agriculture and Mechanic arts have immediate supervision of the course of study, the equipment, and the methods of instruction there used. This is a department of the University, like any other.

This institution has a complete outfit of buildings, a full faculty and a fine equipment for giving instruction in the usual college branches. A new building was erected last year for the scientific laboratories and shops of this department. There are shops for work in wood and iron, drawing rooms, and laboratories for chemistry, botany and agriculture. The building is equipped with a boiler and engine, and the necessary machinery and tools. The laboratories have a good outfit of apparatus. A tract of land immediately adjacent to the building is provided for practical work in agriculture and horticulture. Separate instructors in chemistry, botany and agriculture, and for drawing, mechanic arts and physics are provided for this department. All of the work in it will be under the supervision and direction of the President and Board of Trustees of the University, as are the other departments.

Students in this department receive State scholarships under the same regulations as other students. The Board of Trustees have created twelve separate apprenticeships in this department, worth fifty dollars per annum each, to be awarded to the most meritorious and promising students in the regular industrial courses. These apprenticeships will be awarded by the President of the University, upon the recommendation of the President of Knoxville College. They secure work in the shops and on the farm of the department, the service required being rated at its market value.

COURSE OF STUDY.

State Students must be prepared to enter the Second Year's course.

AGRICULTURAL COURSE.	MECHANICAL COURSE.
FIRST YEAR.	
Arithmetic.	Arithmetic.
English.	English.
General History.	General History.
Farmwork.	Drawing; Shopwork.
SECOND YEAR.	
Elementary Algebra.	Elementary Algebra.
Rhetoric.	Rhetoric.
Physiology.	Physiography.
Physiography; Agriculture.	Drawing; Shopwork in Wood.
THIRD YEAR.	
Higher Algebra.	Higher Algebra.
Language.	Language.
English Literature.	English Literature.
Botany; Agriculture.	Drawing; Shopwork in Iron.
FOURTH YEAR.	
Geometry.	Geometry.
Zoology.	Chemistry.
Political Economy; Logic.	Political Economy; Logic.
Agriculture.	Designing; Shopwork.
FIFTH YEAR.	
Natural Philosophy.	Natural Philosophy.
Agricultural Chemistry.	Trigonometry.
Geology.	Care of Engine and Machinery; Construction.
Experimental Farm Work.	

Lectures and readings on the studies of each year in the Course. The graded course in shopwork is taken up as the student is prepared and masters the various subjects, according to the judgment of the professor in charge.

For detailed information with regard to courses of study, expenses, etc., see the separate catalogue of this department. For this apply to the President of the University, or to Dr. J. S. McCulloch, President of Knoxville College, Knoxville, Tennessee.

MEDICAL AND DENTAL DEPARTMENT.

MEDICAL SCHOOL.

The Medical School of the University of Tennessee is located at Nashville. The nineteenth session will begin on Monday, October 2nd, 1893, and will continue five months.

The preliminary course will begin on Monday, September 4th, 1893, and continue to the opening of the regular term. It will be free to all, and will embrace much matter not given in the regular course of any school, and students should avail themselves of its many advantages.

The Commencement for conferring degrees will be held the last Tuesday in February, 1894.

THE COLLEGE BUILDING.

The Medical department of the State University is located on Broad street, between Vine and High streets, in the city of Nashville. The Faculty have erected and completely furnished and equipped one of the handsomest and most suitable and appropriate buildings for medical teaching to be found on this continent. The building is four stories high. Upon the ground floor are two large rooms, one of which is used for the *Free college clinic*, under the immediate control and supervision of members of the faculty. The other room on the ground floor, running the entire length of the building, is occupied by the anatomical museum.

The main lecture hall is fifty-two feet by fifty-seven feet, with a graduated floor from the second to the third story, and has a comfortable seating capacity for five hundred students, being furnished with opera-chairs of the latest and most approved design.

THE CITY HOSPITAL

Is one of the best equipped institutions of the kind in the South. It is perfect in all of its appointments, and will furnish an abundance of clinical material in all of the various branches. It is a convenient distance from the college building, and will be open to our classes for clinical teaching.

LECTURES.

From five to six didactic lectures, illustrated by drawings and demonstrations, will be given daily by the Faculty during the session, on the following subjects, viz: 1. Anatomy. 2. Physiology and genito-urinary and venereal Diseases. 3. Medical chemistry and toxicology. 4. Ma-

teria medica and therapeutics. 5. Theory and practice of medicine. 6. Principles and practice of medicine. 7. Obstetrics. 8. Gynæcology and diseases of children. 9. Surgery. 10. Diseases of the eye, ear and throat. 11. Medical jurisprudence. 12. Mental diseases. 13. Oral surgery.

CLINICAL TEACHING.

For this method of instruction the facilities offered are unsurpassed. Medical subjects are so subtle and complex that no teaching can be effectual that does not include a certain amount of personal experience. Clinical teaching has, therefore, been made a prominent part of the plan of instruction.

EXAMINATION, OR QUIZZES.

Each professor will examine the class upon his own lectures as the course proceeds, thus compelling the student to pass in review the subject matter of each lecture. The Faculty give all the instruction that is given students in any medical college, without requiring extra pay for private instruction or quizzing.

PRACTICAL INSTRUCTION.

This kind of teaching is indispensable to train the hand, eye and ear of the student for his work in diagnosis and treatment.

Practical anatomy: With due appreciation of the importance of this fundamental branch of the science, a thorough practical knowledge of the anatomical structure of the human system is considered an indispensable prerequisite for graduation. Therefore, every student at this College is required to dissect. The dissecting room is under the direct supervision of the Professor of anatomy.

Practical instruction will be given in experimental physiology, obstetrics, physical diagnosis, operative and minor surgery, examinations of the eye, etc.

REQUIREMENTS FOR GRADUATION.

1. The candidate must be 21 years of age, and of good moral character.

2. He must have attended three full courses of lectures, the last of which must have been in this institution. The first two may have been in any other generally recognized medical college.

3. He must have attended the dissections and practical laboratory courses in this school during the time he has been a student thereof.

4. He must pass satisfactory examinations by the Faculty.

A general demand for advance in the way of more stringent requirements for graduation, and higher qualifications on the part of licentiates from State boards of medical examiners, has for several years been agitating the profession, and finally assumed definite shape, in the organization of a Southern college association at a meeting in Louisville, Ky., in November last.

This organization, which requires a reasonable degree of English as well as scientific education as a preliminary qualification, and a three years' college course before graduation, expresses the most important demands of the times. All of the best, including nine-tenths of all the southern and western medical colleges, have subscribed to the rules and regulations of this Association, and the requirements and necessity for reform and advancement are so urgent that no medical institution can be considered reputable that does not affiliate.

This Medical department of the University of Tennessee proposes to live fully up to the requirements of the Southern medical college association.

COLLEGE EXPENSES.

Matriculation fee (paid but once)	$ 5 00
For a full course of lectures	75 00
Demonstrator's fee	10 00
Graduation fee	25 00

All fees are payable in advance. Good board can be procured at $3 to $5 per week.

Students, on arriving in Nashville, should call immediately on the Dean. Address: Duncan Eve, M. D., Dean of the Faculty, 700 Church street, corner Vine, Nashville, Tenn.

DENTAL SCHOOL.

The Dental school of the University of Tennessee is located at Nashville. The Fourteenth annual session of this department will commence on Monday, October 2nd, 1893, and continue until the last Tuesday in February, 1894, which is Commencement Day.

THE COURSE OF STUDY

Embraces operative, prosthetic and clinical dentistry, lectures on oral and clinical surgery, chemistry, materia medica and therapeutics, regional anatomy, physiology and microscopy.

CLINICAL INSTRUCTION.

A series of clinical lectures and demonstrations will be given.

The dental laboratory is thoroughly provided with furnaces, rolling mills, lathes, and every appliance for thorough instruction in metallic bases for artificial dentures; also a thorough outfit for every kind of artificial work.

The operating department is amply supplied with new chairs, brackets, etc., and a dental engine of the latest model to each chair.

QUALIFICATIONS FOR GRADUATION.

The candidate must be 21 years of age, and of good moral character. He must have studied under a private preceptor at least two years,

including his course of instruction at the College. Attendance on three full courses of lectures in this institution will be required; or one course at some other reputable college, and two in this institution. The candidate must pass a satisfactory examination before the Faculty, and have paid for college tickets.

EXPENSES.

Matriculation fee (paid but once)	$ 5 00
For a full course of lectures	50 00
Demonstrator's fee	10 00
Graduation	10 00

Good board can be had at from $3 to $5 per week.

Dentists or dental students desiring to receive the announcement, or additional information in regard to this, the oldest school of dentistry in the South, will apply to J. P. Gray, D. D. S., Secretary, Nashville, Tenn.

DEPARTMENT OF LAW.

ANNOUNCEMENT.

This Department is organized and conducted with a view to give to all its students a thorough acquaintance with the general principles and rules of American law, so as to fit them for the bar of any State. Theoretical and practical methods of instruction are combined in the course so as not only to make it of advantage to college graduates, wishing to prepare themselves for admission to the bar, but also to afford the advantages of methodical study to non-graduates, and add to the qualifications and attainments of those young men, already licensed, who wish to improve themselves by a course of systematic training in their chosen profession.

The advantages offered in the law course of the University to all these classes are unusual, and probably not excelled by any of the younger law schools of the country.

LOCAL ADVANTAGES.

Courts of all kinds, criminal, civil, equity, State and Federal, including the Supreme court of the State, hold their sessions in the city, and some of them are open during the entire University session. Occasional attendance upon them is recommended as giving the law students rare opportunities for observation of legal practice in all its varied forms, and in cases of interest and importance, managed by counsel of experience and ability. Moreover, the leaders of the bar of Knoxville have taken professional interest in the success of this department, and have given practical proof of this by delivering lectures upon various branches of the law, which are of great importance to all law students.

ADMISSION.

Students seeking admission to this department are not required to undergo any preliminary examination. They must, however, be nineteen years of age, and of good moral character; and it is important that they have, before entering, a good English education, and useful to have previously read some standard history of England and "Blackstone's Commentaries."

METHOD OF INSTRUCTION.

The methods of instruction pursued are a combination of those which have been approved in the experience of the older law schools of the

country, and include text books and study, daily recitation and colloquial instruction, weekly moot courts and lectures, and term examinations, so as to make the course as varied, useful and thorough as possible in the allotted time. With the text books will also be considered and examined statutes of the United States and of Tennessee, leading cases, and the works of standard authors on the topics under consideration, to illustrate and expound the evolution and present condition of the law.

COURSE OF STUDY.

The course of study in this department is arranged for two sessions, and it will be best for all who can to give to it two years' of time. Those, however, of sufficient age, who have prepared themselves by previous study, either general or legal, may be able, by earnest application and sole attention to the law, to accomplish the course in one year.

TEXT BOOKS.

Junior Year—Robinson's Elementary Law; Browne on Criminal Law; Bigelow on Torts; Lawson on Contracts; Browne's Domestic Relations; Tideman on Real Property; Smith's Mercantile Law; History of a Law Suit.

Senior Year—Cooley's Constitutional Law; Boone on Corporations; Stephen on Pleading; Stephen's Digest of Evidence; Ram on Legal Judgment; Bispham's Equity; Gibson's Suits in Chancery.

Minor changes in text books may be made during the session.

For books of general reference will be used Anderson's or Black's Dictionary of Law; Blackstone's Commentaries; Greenleaf on the Law of Evidence; Kent's Commentaries; Sandars' Justinian, and the Statutes of Tennessee and of the United States.

A foundation has been laid for a working law library. Books will be added from time to time and kept on the shelves of the seminary room so as to be constantly accessible to students.

During the Junior year students will be given actual experience in abstracting land titles and drawing deeds, mortgages, and mercantile contracts.

In the second term of this year the work will be upon the Law of contracts, and special attention will hereafter be given to Mercantile Law, including sales, agency, partnership, insurance, and negotiable instruments. This year will be found useful to young men intending to engage in general business. The Moot court during this period will discuss, for the most part, questions of business law.

The Senior year will be made attractive to young lawyers, as well as to those who have taken the Junior work. Pleading and practice, both at law and in equity, will be studied thoroughly. The Moot court will be conducted as a court of record of general jurisdiction, and all process and pleadings, from the commencement of actions to their conclusions, will be drawn by the students. Briefs will be required to be prepared and submitted, and accompanied in every case by oral argument.

DEBATE.

Law students are advised to join some one of the literary societies, to acquire experience in debate, and to cultivate a clear and concise style in writing and in oral statement.

GENERAL STUDY.

Those who have not had the advantage of college training may at the same time with their law studies, and without additional charge for tuition, pursue a course in any other department of the University, and thus, while qualifying themselves eventually for the law, improve themselves in their present occupations.

SPECIAL LECTURES.

Members of the East Tennessee bar, qualified by training and experience to interest and instruct students of law, will, during the coming year, deliver lectures and addresses to the Law Department upon subjects of interest in various branches of the law, which will afford students opportunities of obtaining practical ideas from those who have succeeded in professional life.

DEGREE AND ADMISSION TO THE BAR.

The degree of Bachelor of Laws will be conferred by the Board of Trustees, at their annual meeting at the close of each session in June, upon such students as shall have attended the prescribed course here for one full session, shall have satisfactorily passed the examinations on the whole course and been recommended by the Faculty of the Department.

The degree secures license to practice law in the courts of this State. Admission to practice in other States is obtained on motion and certificate of admission in Tennessee.

LAW OFFICE WORK.

Students wishing to engage in clerical or other duties in lawyers' offices, while pursuing their course of study, may be able to find places in some of the many excellent law offices in the city of Knoxville, where their duties will probably not seriously interfere with their course of study and recitations at the University.

A practical knowledge of stenography and type-writing is useful and now generally necessary to one seeking clerical work in a law office.

The lectures and recitations will take place, as far as possible, at hours which will be convenient for students engaged in business or in clerical work.

PRIVILEGES.

Students in this Department will have the privileges and be subject to the regulations of University students. They are free from military drill, such as collegiate students are subject to, but are responsible to the President and general Faculty of the University according to the rules

which usually govern gentlemen. Law students have in addition the privilege of attending any classes in the Academic department of the University, such as those in languages, logic, literature, rhetoric, history or political economy, without additional charge. They have also equal privileges with students of other departments, of membership in the Literary societies, and use of the general library, reading-room and gymnasium.

EXPENSES.

The fees for the Law department have been lowered and will hereafter be as follows, for each term of twenty weeks: Tuition, $25.00. A matriculation fee of $10.00 is also charged each student when he becomes a member of the University. The diploma fee is $6.50. Students living in the University dormitories will pay $7.50 additional per term for room rent, electric light, etc.

Law students can get board at the students' private mess at $2.00 per week, at the Steward's hall for $2.50 to $3.00 per week, or in the city at from $12.00 to $15.00 per month. The total necessary expenses of a law student, including tuition, fees, books, board, washing, room rent, etc., are estimated at $200.00 for a full session of nine months.

Instruction in the Law department will begin with the opening of the regular Academic session, Thursday, September 14th, 1893.

For additional information, address

DEPARTMENT OF LAW,
University of Tennessee,
Knoxville, Tenn.

CATALOGUE OF STUDENTS, 1892-'93.

ACADEMIC DEPARTMENT.

SUB-FRESHMEN.*

Name.	State, or Co. in Tenn.	Course.	Yrs. here.
Bernard, George Rubin	Washington	Lat. Sci	1
Byrne, Joseph Barney	Knox	Lat. Sci	1
Carpenter, William Cox	Knox	Lat. Sci	1
Fuller, Claude	Hamblen	Lat. Sci	1
Henderson, Frank Smith	Washington	Lat. Sci	1
Kesterson, Charles Taylor	Claiborne	Lat. Sci	1
McSpadden, Joseph Andes	Jefferson	Lat. Sci	1
Mason, John Edward	Hamblen	Lat. Sci	1
Milam, Robert Menees	Davidson	Lat. Sci	1
Newbern, William David	Shelby	Lat. Sci	1
Polk, John Jackson	Madison	Lat. Sci	1
Sawyer, William Hall	Anderson	Lat. Sci	1
Scott, Kenneth Kyle	Knox	Classical	1
Wegener, Albert Benjamin	Illinois	Lat. Sci	1
Williams, James Heber	Shelby	Lat. Sci	1

FRESHMAN CLASS.

Alexander, John D	Obion	Lat. Sci	1
Bateman, William Enoch, Jr	Davidson	Agr. and Sci	1
Bates, Alonzo Lafayette	Davidson	Agr. and Sci	1
Bates, William Moore	Davidson	Classical	1
Bell, Claude	Bradley	Lat. Sci	2
Bennett, Charles Henry	Hamilton	Agr. and Sci	1
Black, William Freels	Anderson	Agr. and Sci	1
Borches, Joseph Erwin	Knox	Lat. Sci	1
Brannan, Robert Bugg	Giles	Agr. and Sci	1
Brown, Clark Dean	Minnesota	Lat. Sci	1
Brown, Marcus Wiley	North Carolina	Lat. Sci	1
Christian, William Theodore	Knox	Lat. Sci	1
Cliff, Horace Greely	North Carolina	Agr. and Sci	1

*Not a separate class, but those having work in Latin and Mathematics below the regular Freshman class.

Name.	State, or Co. in Tenn.	Course.	Yrs. here.
Collier, Robert Hoyal	Knox	Agr. and Sci.	1
Crawford, Wesley Lee	Hamblen	Lat. Sci.	1
Davis, Charles Huff	Knox	Lat. Sci.	1
Dean, William Warren	Minnesota	Agr. and Sci.	1
Edgerton, Benjamin Patton	Ohio	Classical	1
Erwin, Thomas James, Jr.	Bedford	Agr. and Sci.	1
Galbraith, Henry Harris	Knox	Agr. and Sci.	1
Gaston, Charles Edwin	Mississippi	Agr. and Sci.	1
Gipson, Thomas Franklin	Hardin	Lat. Sci.	1
Grainger, William Everette	Knox	Agr. and Sci.	1
Hall, William Stokely	Knox	Agr. and Sci.	1
Hanna, Finis Erving	Giles	Classical	1
Harlan, Henry Matthew	Lauderdale	Classical	1
Hickman, Harry Anderson	Davidson	Lat. Sci.	1
Hoskins, Lynn Wood	Knox	Agr. and Sci.	1
Howell, Bruce	Knox	Lat. Sci.	1
Hunter, Burton Leath	Texas	Classical	1
Ingrum, John Berry	Giles	Classical	1
Irvine, Moran	Weakley	Lat. Sci	2
Johnson, Rezin Pritchard, Jr.	Hamilton	Classical	1
Kelley, John Hopkins	Hamilton	Agr. and Sci.	1
Landers, Emmett Flavius	Bedford	Agr. and Sci.	1
Latimore, Thomas Samuel	Monroe	Agr. and Sci.	1
Leonhardt, Oscar DeFoor	Knox	Agr. and Sci.	1
Llewellyn, Charles Smith	Knox	Lat. Sci	2
Long, William Atherton	Maury	Agr. and Sci.	1
Lowe, Cosby Alfonso	Grundy	Lat. Sci	1
Lyman, Warren Soper	Knox	Lat. Sci.	1
Lynn, Perry Rogan	Knox	Agr. and Sci.	1
McBath, Walker Eugene	Knox	Classical	1
McClelland, Joseph Herbert	Tipton	Lat. Sci.	1
McCullers, James Madison	Hardin	Lat. Sci.	1
McDonald, Howard Grainger	Knox	Lat. Sci.	1
McFadden, Frederick Lee	Fayette	Agr. and Sci.	1
McSpadden, Charles Benjamin	Jefferson	Lat. Sci	1
Maloney, George Edgar	Knox	Lat. Sci.	1
Mason, Robert Lindsay	Hamblen	Agr. and Sci.	1
Millard, Herbert Richard	North Carolina	Lat. Sci.	1
Miller, Charles Hamilton	Knox	Agr. and Sci.	1
Moneyhun, John Aaron, Jr.	Hancock	Agr. and Sci	2
Myers, Jonas Rufus	Bedford	Lat. Sci.	1
Muse, Henry Kirk White	Bedford	Agr. and Sci.	1
Nance, Charles Taylor	Henry	Lat. Sci.	1
Park, James Frank	Jefferson	Lat. Sci	2
Patrick, John Thomas	Hardeman	Lat. Sci	1
Patten, Porter Williams	Loudon	Agr. and Sci	1

Name.	State, or Co. in Tenn.	Course.	Yrs. here.
Purple, William Hays	Knox	Agr. and Sci	1
Reed, Harry Vaughan	Hamilton	Agr. and Sci	1
Robinson, William Stone	Johnson	Agr. and Sci	1
Searle, Chester Barker	Knox	Agr. and Sci	1
Sienknecht, Frederick Charles	Anderson	Agr. and Sci	1
Sledge, Oliver Daniel	Shelby	Agr. and Sci	1
Smartt, William Calhoun	Warren	Lat. Sci	1
Smith, William Zenas	Cumberland	Agr. and Sci	1
Smith, Sherrod	Tipton	Classical	1
Stone, Edwin Eugene	Lincoln	Agr. and Sci	1
Sullivan, Timothy Clark	Giles	Lat Sci	1
Templeton, Clarence Allison	Knox	Classical	1
Thompson, Jesse Charles	Knox	Agr. and Sci	1
Tripp, Benjamin	Knox	Agr. and Sci	1
Wagner, Joseph Hugh	Johnson	Classical	1
White, Lynn Townsend	Knox	Classical	1
Whitthorne, Frank Clinton	Maury	Lat. Sci	1
Young, John Chapman	Anderson	Classical	1

SOPHOMORE CLASS.

Alexander, John Phipps	Madison	Mech. Eng	1
Atkin, Otho	North Carolina	Classical	2
Bell, David Newton	Hamilton	Lat. Sci	1
Bell, James Edgar	Hamilton	Lat. Sci	1
Beyland, Sidney Albert	Knox	Elec. Eng	2
Boyd, Samuel Becket	Knox	Lat. Sci	1
Brent, Hu Innes	Kentucky	Lat. Sci	2
Brown, Canie Napoleon	North Carolina	Lit. Sci	2
Brown, Wiley Wagner	Johnson	Lit. Sci	1
Conner, William James	Virginia	Mech. Eng	3
Cothran, John Robinson	Lauderdale	Lit. Sci	2
Darragh, John J., Jr.	Shelby	Mech. Eng	2
Dodge, George William	Ohio	Civ. Eng	1
Edelen, William James	Knox	Lat. Sci	3
Eldridge, Maurice Owen	London	Mech. Eng	2
Fain, John Richard	Jefferson	Agr	2
Fleming, William Henry, Jr	Warren	Lit. Sci	1
French, Jacob Baird	Knox	Lat. Sci	2
Glosser, Herbert Hartman	Knox	Mech. Eng	2
Glosser, John Francis, Jr	Knox	Civ. Eng	2
Hamlett, Joel Edwin	Chester	Mech. Eng	2
Hoodenpyl, George Leslie	Warren	Lat. Sci	2
Horne, William Armstrong, Jr.	Knox	Min. Eng	3
Hudson, Arthur Floyd	Davidson	Lit. Sci	2
Jones, William Molloy	Rutherford	Lit. Sci	3
LaBach, Joseph Oscar	Knox	Classical	2

Name.	State, or Co. in Tenn.	Course.	Yrs. here.
Lenoir, Walter Frank	Loudon	Mech. Eng	1
Lowry, Claude	Warren	Lat. Sci	1
McAnally, William Estes	Knox	Lit. Sci	2
McCroskey, Thomas	Monroe	Lat. Sci	2
Matthews, Frederick Greenville	Warren	Agr.	2
Metcalf, Charles Wesley, Jr	Shelby	Lat. Sci	2
Miller, James Preston	Overton	Lit. Sci	2
Mitchell, George Ellis	Knox	Mech. Eng	2
Moore, Robert Leland	Kentucky	Agr.	1
Murphy, Frank Ellsworth	Knox	Lat. Sci	3
Patrick, Robert Emmett	Hardeman	Classical	2
Peck, John Franklin	Monroe	Lat. Sci	2
Peters, William Edgar	Knox	Civ. Eng	2
Pitman, Norman Hinsdale	Knox	Lat. Sci	2
Powell, Robert Meridith	Robertson	Lit. Sci	2
Reynders, Arthur Bernard	Shelby	Civ. Eng	2
Ruch, Leonard H.	Franklin	Agr.	2
Rudisill, Hubbard	Alabama	Classical	2
Simmonds, Cyrus Percival	Davidson	Lat. Sci	2
Smallman, Frederick William	Warren	Lat. Sci	1
Smith, Alfred Francis	Knox	Lit. Sci	4
Smith, Vincent Villars	Roane	Lat. Sci	2
Spinks, John Leonard	Hardeman	Agr.	3
Stewart, Harry	Shelby	Lit. Sci	2
Tittsworth, Buford Munsey	Jefferson	Lat. Sci	2
Townsend, William Parmer	Giles	Mech. Eng	1
Troy, Robert Hunter	North Carolina	Lat. Sci	2
Walker, Henry	Hardin	Lit. Sci	2
Webb, Eugene Mitchell	Jefferson	Lit. Sci	1
Wight, Eli Mellen	Hamilton	Mech. Eng	1
Williams, William Francis Collins	North Carolina	Mech. Eng	2
Woodside, Harry Emmett	Maury	Lat. Sci	1
Woodard, Robert Lee	Robertson	Civ. Eng	2
Wright, James Bascom	Knox	Lat. Sci	1
Young, Hiram Madison	Giles	Lit. Sci	2

JUNIOR CLASS.

Brown, James Polk	Roane	Lat. Sci	2
Crawford, William Blake	Knox	Civ. Eng	3
Cummins, William Claude	Warren	Civ. Eng	2
Fisher, James George	Mississippi	Mech. Eng	3
Ijams, Howard Aiken	Knox	Lit. Sci	3
Livingston, Howell Thomas	Haywood	Classical	2
Logan, Nicholas Ernest	Knox	Lit. Sci	5
Mankin, Carr	Coffee	Mech. Eng	3
Marfield, George Rowland	Knox	Min. Eng	3
Morgan, Wiley Lee	Knox	Min. Eng	4

Name.	State, or Co. in Tenn.	Course.	Yrs. here.
Phillips, Frederick Hodsdon, Jr.	Hamilton	Min. Eng	2
Powers, John Pike, Jr.	Knox	Classical	3
Rhea, Charles McClung	Knox	Lit. Sci	4
Rice, Luttrelle Gullette	Lauderdale	Lat. Sci	3
Roberson, James Howard	Bledsoe	Classical	2
Sanford, Alfred Fenton	Knox	Lat. Sci	3
Sims, Burt Len	Bedford	Lit. Sci	3
Staley, Joseph Henry	Knox	Civ. Eng	3
Whitthorne, William Jarvis, Jr.	Maury	Civ. Eng	2
Witherspoon, David Columbus	Rutherford	Mech. Eng	2

SENIOR CLASS.

Bernard, John Jay	Washington	Min. Eng	5
Black, Joseph McDonald	Anderson	Lat. Sci	4
Brown, Jesse Billoat	Warren	Civ. Eng	3
Cox, John Bogle	Sevier	Mech. Eng	4
Davis, Thomas Alderson	Knox	Lat. Sci	4
Dodge, George Eugene, Jr	Arkansas	Chemical	3
Dorset, Marion	Maury	Chemical	3
Duff, Harry Elmer	Knox	Lat. Sci	5
Gallaher, Richard Owen	Roane	Civ. Eng	3
Heiskell, John Netherland	Shelby	Classical	3
Holmes, George Hamilton	North Carolina	Civ. Eng	4
Holmes, Lawrence Edward	North Carolina	Lat. Sci	3
Huff, Hugh William	Cocke	Lit. Sci	3
Kirkpatrick, Samuel Sevier	Washington	Lat. Sci	3
Moores, Charles Ansel	Knox	Lit. Sci	3
Neal, John Randolph, Jr.	Rhea	Lat. Sci	3
Rodgers, James Christie	Knox	Lat. Sci	4
Smith, George Mead	Warren	Lat. Sci	3
Treece, Alfred Newton	Claiborne	Lit. Sci	3

POSTGRADUATE AND SPECIAL.

Adcock, Adam Kennedy	Knox	Teachers'	1
Bayer, Julius Henry	Stewart	Teachers'	2
Bishop, Gertrude	Bradley	Teachers'	1
Bower, Joseph William Sherman	Greene	Lat. Sci	2
Bradbury, Ed. Lee	Montgomery	Teachers'	1
Brock, Benjamin Rousseau	Knox	Teachers'	2
Chamberlain, Frederick William	Knox	Sciences	1
Chambliss, Charles Edward, B. S.	Knox	Sciences	4
Collins, David Modrell	Marshall	Teachers'	1
Condray, William Francis, L. I.	Arkansas	Teachers'	1
Crouch, Thomas Sheridan	Washington	Teachers'	1
Davis, Charles Wesley	Hawkins	Teachers'	2
Estes, Samuel Albert	Washington	Teachers'	2
Frazier, Thomas Ahab	Bradley	Teachers'	1

Name	State, or Co. in Tenn.	Course.	Yrs. here.
George, Parnick Ezra	Knox	Teachers'	2
Haun, Andrew Jacob	Hamblen	Teachers'	2
Hicks, George Albert	Knox	Teachers'	1
Hilker, August	Knox	Chemistry	1
Hoskins, James Dickason, B. S	Knox	Hist. & Polit. Sci.	5
Irwin, Percy Crawford	Fayette	Civ. Eng	1
Johnson, Charles Edward	Union	Teachers'	1
Kelso, James Harvey, Jr	Monroe	Teachers'	1
Langston, James Martin, Jr., B. S.	Bradley	Languages	5
Mabe, Lark Willis, Jr	Knox	Teachers'	1
Mayo, Edmund Blackmore	Loudon	Teachers'	1
Moore, Charles Chilton, Jr., B. S.	Kentucky	Chemistry	5
Nelms, David Bruce	Hawkins	Lat. Sci	1
Page, Nannie	Tipton	Teachers'	1
Parmelee, Jessie	Knox	Teachers'	1
Phillips, Hygean	Crockett	Teachers'	1
Price, William Napoleon, B. S	Knox	Languages	5
Ragland, Eugene, B. S	Haywood	Languages	4
Rogers, Ransom	Hamilton	Civ. Eng	4
Schuler, William Anton	Knox	Mech. Eng	1
Scott, James Foster, Jr	Knox	Greek & Sciences	3
Sharp, George Washington	Union	Teachers'	2
Sharp, Julian Orvale	Union	Teachers'	1
Smith, George Socrates	Hamblen	Teachers'	2
Stout, Ransom Lafayette	Bledsoe	Teachers'	2
Thompson, Henry Erwin, A. B.	North Carolina	Mech. Eng	1
Watson, James Elepharse	Bradley	Lit. Sci	1
Wiley, Edwin Montgomery, B. S.	Knox	Languages	5
Wilkins, John Hamilton	Anderson	Teachers'	1
Wilson, William Francis	Loudon	Teachers'	2
Wood, Marcus Rowin	Knox	Teachers'	1
Woodward, James Frank	Virginia	Teachers'	1
Younginer, John DeKalb	Alabama	Agricultural	2

INDUSTRIAL DEPARTMENT, KNOXVILLE COLLEGE.

Names.	County.	Names.	County.
Adams, R. H	Knox.	Hunter, J. W	Knox.
Arter, J. T	Greene.	Irvine, C. T	Sullivan.
Belsinger, R. C	Loudon.	Johnson, J. J	Roane.
Bowles, J. B	Knox.	Kirksey, A. A	Knox.
Campbell, Atwood	Knox.	Llewellyn, G. T	Knox.
Cowan, William P	Campbell.	McWebb, Moses	Hamilton.
Dupree, C. A	Haywood.	Porter, W. E	Hamilton.
Garrett, J. W. O	Henderson.	Robinson, Russell	Lincoln.
Green, H. M	Knox.	Rodgers, F. H	Hickman.
Green, S. J	Loudon.	Stephens, H. C	Knox.

Names.	County.	Names.	County.
Griffin, William	Hamilton.	Walker, Tillman	Jefferson.
Hamilton, F. A	Marshall.	Walker, W. H	Jefferson.
Handly, William	Franklin.	Wilson, C. H	Knox.
Harman, J. A	Henderson.		

SUMMARY OF STUDENTS IN THE ACADEMIC DEPARTMENT.

Sub-freshmen	15
Freshman Class	77
Sophomore Class	61
Junior Class	20
Senior Class	19
University and Special Students	47
State Appointees at Knoxville College	27
Total in Academic Department	266
Total number from Tennessee	239
Total number from other States	27

SUMMARY BY COURSES PURSUED.

1. COLLEGIATE COURSES.

	Sub-freshman.	Freshman.	Totals.
Latin-Scientific	14	28	42
Classical	1	13	14
Agricultural and Scientific		36	36

	Soph.	Jun.	Sr.	Totals.
Latin-Scientific	20	3	8	31
Literary-Scientific	14	4	3	21
Civil Engineering	5	4	3	12
Mechanical Engineering	11	3	1	15
Mining Engineering	1	3	3	7
Classical	4	3	1	8
Agricultural	5			5
Electrical Engineering	1			1
Total Agricultural and Scientific				36
Total Classical				22
Total Latin-Scientific				73

2. UNIVERSITY COURSES.

Agricultural	1
Chemistry	2
Civil Engineering	2
Greek	1
History and Political Science	1
Languages and Literature	4

Latin-Scientific	2
Literary-Scientific	1
Mechanical Engineering	2
Sciences	3
Teachers' Course	29
Counted twice	1

LAW DEPARTMENT.

Pinckney F. Baley	California.
Arthur E. Broyles	Knox.
John L. Faulkner	Knox.
Laurence D. Tyson	Knox.
Geo. H. West, B. A.	McMinn.
Charles S. Williams	Shelby.
John L. Williams	Knox.

MEDICAL AND DENTAL DEPARTMENT.

Allen, A. B.	Tenn.	Cecil, G. E., M. D.	La.
Allen, M. H.	Tenn.	Chapman, H. T.	Mass.
Ausbrooks, M. T	Tenn.	Chance, H. C	Tenn.
Avendale, J. J	Ala.	Cheney, A. M.	Ill.
Ashley, Jerry	Texas.	*Chism, J. S.	Ky.
Bailey, J. W.	Tenn.	Cline, B. E	Tenn.
Baker, G. C.	Tenn.	Cobb, G. M.	Ga.
Ballard, B. R.	Ala.	Coburn, A. G.	W.Va.
Banks, C. M.	Tenn.	Cochran, R. W.	Fla.
Bassett, J. W.	Texas.	Copeland, A	Miss.
Binion, J. W	Tenn.	Copeland, H. S.	Ky.
Bishop, Paul.	Ala.	Connell, J. R.	Tenn.
Blackford, J. R.	Tenn.	Corley, L. W.	Texas.
*Bostick, J. C.	Tenn.	Cosby, J. G.	Ky.
Bowman, H. P.	N. C.	Cosby, W. C.	Ky.
Bradley, J. T.	Texas.	Cowles, E. A	Minn.
*Brame, F. L.	Mo.	Cummings, G. F.	Tenn.
Breeding, W. J	Tenn.	Cox, E. S. W.	Ala.
Brooch, R. W.	Texas.	Coyle, J. E., M. D	Ill.
Brown, Frank	Mo.	Daniels, J. A	Texas.
Brown, J. D.	Texas.	Davis, A. B.	Ark.
*Brown, W. L.	Tenn.	Davis, Chas. D.	Miss.
Brown, W. T.	Tenn.	Davis, Steel	Texas.
Brickell, J. B.	Tenn.	Davis, T. E	Ky.
Burchett, W. F	Ky.	Demonbreum, J. W	Tenn.
*Byrne, M. C.	Tenn.	Dill, E.	Miss.
Cajul, William	Tenn.	Donnell, R. N.	Ark.
Carmack, W. A.	Texas.	Dorris, R. H.	Tenn.
Carpenter, C. C.	Tenn.	*Emmer, A. G.	La.
Carman, J. T.	Tenn.	Epler, J. Crum	Ill.
Case, L.	Tenn.	Erdman, C. H	Ohio.

Felts, G. H. ..... Ky.
*Ferguson, J. F. ..... Tenn.
Fillingim, W. H. ..... Texas.
Fink, G. D. ..... Ill.
Flemming, H. G. ..... Tenn.
Flemming, J. L. ..... Tenn.
Ford, D. M. ..... Tenn.
Fowler, F. M. ..... Ill.
Fowler, N. L. ..... Ill.
*Freeman, J. J. ..... Tenn.
Frey, J. H. ..... Tenn.
Frizzell, D. H. ..... Ark.
Gallimore, U. ..... Ky.
Gaudy, J. L. ..... Miss.
*Garth, S. A. ..... Mo.
*Gayle, F. M. ..... La.
*Gayle, T. R. ..... La.
Gillis, J. A. ..... Tenn.
Goldsby, E. T. ..... Tenn.
Grady, W. J. ..... Miss.
Greene, W. T. ..... Tenn.
Gregory, E. A., M. D. ..... Ark.
*Grigsby, A. H. ..... Tenn.
*Gunn, J. S. ..... Ky.
Guyton, C. L. ..... S. C.
Haggard, W. D., Jr. ..... Tenn.
Hail, R. A. ..... Miss.
Hall, R. C. ..... Texas.
*Handcock, C. D. ..... Ky.
Hardin, W. H. ..... Miss.
Harris, D. F. ..... Texas.
Harris, R. E. ..... Miss.
Harrod, C. L. ..... Ohio.
Harrod, G. W. L. ..... Ark.
Harville, J. P. ..... Tenn.
Hawk, W. L. ..... Tenn.
Hayes, L. Y. ..... Tenn.
Hedgecock, G. W. ..... Tenn.
Hickson, J. H. ..... Tenn.
Holland, C. W. ..... Ky.
*Houston, C. ..... Mo.
Howell, R. L. ..... Tenn.
Hull, O. ..... Tenn.
Hunt, W. P. H. ..... Tenn.
Irby, L. H. ..... S. C.
Jackson, W. J. ..... Tenn.
James, F. G. ..... S. C.
Jefferson, H. W. ..... Ky.
Johnson, D. J. ..... N. C.
Johnson, N. T. ..... Tenn.
Jones, J. S. ..... Tenn.
Kellar, R. D. ..... Tenn.
Kennedy, O. A. ..... Miss.
Ketcherside, J. A. ..... Ga.
Kinder, G. M. ..... Tenn.
King, W. E. ..... Tenn.
Kittrell, J. R. ..... Miss.
Knapp, A. J. ..... Ohio.
Knapp, C. C. ..... Ohio.
Kring, J. B. ..... Ohio.
Lacy, A. P. ..... Tenn.
Langford, R. I. ..... Ky.
Lasater, W. S. ..... Tenn.
Lee, P. H. ..... N. C.
*Leland, F. J. H. ..... Mich.
Lindley, W. R. ..... Texas.
Lindsay E. C. ..... Tenn.
Loring, B. F. ..... Tenn.
*Love, C. A. ..... Tenn.
*Love, J. B. ..... Tenn.
*Loveland, J. B. ..... Ala.
*Lyles, J. W. W. ..... Miss.
Lyles, R. W. ..... Tenn.
McClaran, H. H. ..... Ohio.
McClenny, R. E. ..... Texas.
*McCormick, J. B. ..... Fla.
McCown, W. S. ..... Tenn.
McCrary, R. F. ..... Tenn.
McCurdy, B. S. ..... Tenn.
McDonald, J. W. ..... Texas.
McGinnis, T. J. ..... Ill.
*McKie, R. L. ..... S. C.
McMahon, R. G. ..... Ark.
McMillan, W. H. ..... Tenn.
McRee, A. P. ..... Tenn.
McRee, J. A. ..... Tenn.
McRee, J. D. ..... Tenn.
Macon, A. L. ..... Tenn.
Malcolm, P. M. ..... Tenn.
Malone, S. S. ..... Tenn.
Mangren, P. H. ..... Tenn.
Marrs, S. O. ..... Ky.
Marshall, A. E. ..... Mo.
Mayhall, T. L. ..... Miss.

Mayhall, W. J. ..... Miss.
Mayes, O. B. ..... Mo.
Meridith, W. E. ..... Ky.
Menser, Bert ..... Ky.
Miller, C. J., Jr. ..... Tenn.
Miller, S. A. ..... Ala.
Miller, V. A. ..... La.
Minor, S. H. ..... Tenn.
*Mitchell, D. V. ..... Tenn.
Mitchell, H. E. ..... Ala.
Mitchell, T. A. ..... Tenn.
Moon, W. A. ..... Tenn.
Moores, J. A., M. D. ..... Tenn.
Morgan, J. S. ..... Tenn.
Montgomery, D. H. ..... S. C.
Myers, R. E. ..... Texas.
Nicks, J. M. ..... Texas.
Norris, J. M. ..... Ark.
Norwood, R. W. ..... Tenn.
Ogle, J. H. ..... Texas.
Palmer, P. A. ..... Tenn.
Peek, W. F. ..... Miss.
Pepper, W. H. ..... S. C.
*Plummer, W. R. ..... Tenn.
*Pendleton, J. R. ..... Mo.
Pennington, J. C. ..... Ala.
Peoples, D. W. ..... Tenn.
*Pettus, J. I. ..... Ark.
Pickard, J. A. ..... Tenn.
Pickett, J. A. ..... N. C.
Poe, J. G. ..... Ky.
Poplin, R. W. ..... Tenn.
Porter, W. W. ..... Tenn.
Potter, D. W. ..... Tenn.
Potter, T. J. ..... Tenn.
Proffit, J. C. ..... Tenn.
Raulston, G. M. ..... Tenn.
Ray, J. U., Jr. ..... Ala.
Ray, R. L. ..... Tenn.
Reagor, L. T. ..... Tenn.
Reddick, J. D. ..... Ky.
Reynolds, J. M. ..... Texas.
Richards, A. F. ..... Tenn.
Richardson, R. L. ..... Ky.
Riddle, J. F. ..... Mo.
Riggs, A. M. ..... Tenn.
*Risser, C. H. ..... Ind.
Robberson, W. B. ..... Texas.
Roberts, J. M. ..... Texas.
Roberts, W. F., Jr. ..... Tenn.
Robinson, T. T. ..... Texas.
Rodgers, T. ..... Tenn.
Raper, J. F. ..... Tenn.
Roundtree, W. C. ..... Texas.
*Rouse, H. R. ..... Ind.
Rousseau, J. W. ..... Ore.
Ruble, H. H. ..... Tenn.
Rush, G. H. ..... Tenn.
Scholes, C. E., M. D. ..... Tenn.
Scott, A. L. ..... Ala.
*Seiser, A. S. ..... Mo.
Sewell, W. T. ..... Tenn.
Sheddan, L. L. ..... Tenn.
Sifford, W. R. ..... Ill.
Simmons, J. W. ..... Tenn.
Simmons, L. L. ..... Tenn.
Simmons, P. R. ..... Texas.
*Sims, S. R. ..... Miss.
Slone, T. J. ..... Ohio.
Smith, D. J., Jr. ..... Tenn.
Smith, J. B. ..... Tenn.
Smith, U. S. G. ..... Ill.
Steakley, W. W. ..... Texas.
Steeleman, J. C. ..... Texas.
Stough, T. J. ..... Ala.
Strayhorn, J. M. ..... Texas.
Stringer, W. M. ..... Ala.
Sturges, S. I. ..... Texas.
Summitt, W. H. ..... Texas.
Sumner, W. I. ..... N. C.
Sumners, T. A. ..... Tenn.
Sullivan, G. D. ..... Tenn.
Taylor, F. F. ..... Tenn.
Thompson, C. E. ..... Ohio.
Thompson, S. H. ..... Texas.
*Titus, W. A. ..... Penn.
Turner, T. H. ..... Ky.
VanHook, R. C. ..... Tenn.
Venable, J. A. ..... Tenn.
Walden, E. A. ..... Tenn.
Walker, T. D. ..... Tenn.
Walker, Wm., M. D. ..... Tenn.
Wallace, J. M. ..... Ark.
Webb, J. C., M. D. ..... Tenn.

Welsner, B. C.....Tenn.
West, S. L.....Tenn.
Whitlock, J. W.....Tenn.
Whitlock, T. W.....Tenn.
Whitlow, R. L.....Va.
Whitson, D. V.....Tenn.
Williams, J. D.....N. C.
Williams, J. R.....Miss.
Williams, K. S.....Ga.
Wilson, J. B.....S. C.
Wilson, R. A.....Ala.
Wilson, W. D.....Miss.
Winn, J. T.....Ga.
Wood, W. P.....Tenn.
Woodard, J. H.....Tenn.
Wright, J. G.....Texas.
Wright, W. E.....Texas.
Wyatt, F. M.....Tenn.
Young, C. R.....Tenn.

*Dental students.

DEGREES CONFERRED, JUNE, 1892.

ACADEMIC DEPARTMENT.

BACHELORS OF ARTS.

Pharaoh Lee Cobb, of Hawkins county.
Felix Herndon Coleman, of Franklin county.
Fergus Sloan Hall, Jr., of Florida.
James Theodore Sienknecht, of Anderson county.
Charles Anderson Whittle, of Sevier county.
James Henry Witherspoon, Jr., of Rutherford county.

BACHELORS OF SCIENCE.

Charles Edward Chambliss, of Knox county.
Albert Walter Ellington, of Madison county.
William McLean House, of Knox county.
James Martin Langston, Jr., of Bradley county.
John Wiley Miles, of Robertson county.
Lewyn McFarland Neblett, of Shelby county.
Samuel Turney Neely, of Kentucky.
Eugene Ragland, of Haywood county.

MASTER OF ARTS.

Edmund McMillan Davis, B. A., of Knox county.

SCHOLARSHIPS.

Awarded for the highest stand in the class, as determined by combining the grades attained in the several studies of that class.

Junior Class—Alfred Newton Treece, of Claiborne county.
Sophomore Class—Howell Thomas Livingston, of Haywood county.
Freshman Class—Norman Hinsdale Pitman, of Knox county.

MEDAL.

The John M. Allen Prize Medal in Mathematics was awarded to Eugene Rufus Attkisson, of Carroll county.

LAW DEPARTMENT.

BACHELORS OF LAW.

George B. Cleveland, Jr., of Alabama.
George F. Gerding, of Anderson county.
William R. King, of Virginia.
Shirley E. Spence, of Knox county.
James W. Thompson, A. B., of Connecticut.
James L. Williams, of Knox county.

GRADUATES OF THE MEDICAL SCHOOL.

Session 1892–'93.

DOCTORS OF MEDICINE.

Allen, M. H.....Tenn.
Ashley, Jerry.....Texas.
Bradley, James Taylor.....Texas.
Breeding, Wesley Jackson.....Tenn.
Brickell, John Burnside.....Tenn.
Brown, Walter Thomas.....Tenn.
Carpenter, Christopher C.....Tenn.
Case, Leonard.....Tenn.
Cecil, George E.....La.
Chapman, Henry T.....Mass.
Chance, Hugh C.....Tenn.
Coburn, Allen G.....W. Va.
Cochran, Robert W.....Fla.
Connell, James R.....Tenn.
Copeland, H. S.....Ky.
Corley, Lawrence.....Texas.
Cosby, W. C.....Ky.
Cowles, E. A.....Minn.
Cox, Edward S. W.....Ala.
Coyle, James Edward.....Ills.
Daniels, James Addison.....Texas.
Davis, A. B.....Ark.
Davis, Charles D.....Miss.
Dill, Emmett.....Miss.
Donnell, Robert Newton.....Ark.
Erdman, Charles Herman.....Wis.
Fleming, Horatio Guilminot.....Tenn.
Ford, Daniel Mitchell.....Tenn.
Fowler, F. Marion.....Ills.
Fowler, Newton Lafayette.....Ills.
Gandy, John L.....Miss.
Goldsby, Edward Thomas.....Tenn.
Guyton, Clarence Lee.....S. C.
Haggard, William D., Jr.....Tenn.
Hall, Rufus Clarence.....Texas.
Harris, D. F.....Texas.
Harrod, C. Lorain.....Ohio.
Harrod, G. W. L.....Ark.
Hedgecock, George W.....Tenn.
Hickson, Joseph Howard.....Tenn.
Howell, Robert Lee.....Texas.
Hull, Orestus.....Tenn
Johnson, Nathaniel T.....Tenn.
Jones, James Surber.....Tenn.
Ketcherside, James A.....Ga.
Kinder, George Milburn.....Tenn.
Knapp, A. J.....Ohio.
Knapp, C. C.....Ohio.
Kring, John B.....Ohio.
Lacy, Albert Pinkney.....Tenn.
Langford, R. I.....Ky.
Lasater, William Sherman.....Tenn.
Lyles, R. W.....Ky.
McClaran, Howard H.....Ohio.
McClenny, Robert Edwin.....Texas.
McCown, Walter Steele.....Tenn.
McGinnis, Thomas J.....Ills.
McKenzie, Henry B.....Texas.
McRee, Joe A.....Tenn.
McRee, John D.....Tenn.
Macon, Albert Leonard.....Tenn.
Malcom, Pleasant M.....Tenn.
Marrs, Samuel O.....Ky.
Mayhall, Thomas L.....Miss.
Mayhall, William J.....Miss.
Meredith, William E.....Ky.
Miller, Charles Jefferson.....Tenn.
Minor, Sid. H.....Tenn.
Mitchell, H. Eugene.....Ala.
Myers, Robert E.....Texas.
Ogle, Joseph Howard.....Texas.
Palmer, Parris A.....Tenn.

Peek, William Eason.....Miss.
Pepper, Wade H..... S. C.
Poplin, Richard Woosman .Tenn.
Porter, William Wallace.....Tenn.
Raulston, George Mack.....Tenn.
Ray, Robert Lee.....Tenn.
Ray, Jacob Usry, Jr. .....Ala.
Reagor, Leonidas Thornton..Tenn.
Reynolds, John Morgan....Texas.
Richards, Andrew Franklin.Tenn.
Richardson, Robert Lee.....Ky.
Riddle, John F .....Mo.
Riggs, Allen M .....Tenn.
Roberts, James M.....Texas.
Roper, James Forrest.....Tenn.
Rousseau, James W.....Oregon.
Ruble, Hiram Hunter.....Tenn.
Sheddan, Leonidas S..... Tenn.
Slone, Thomas Jefferson. ..Ohio.
Simmons, Lawson Lee.....Tenn.
Simmons, John Washington.Tenn.
Simmons, Philip Russell... Texas.
Smith, Joseph Brown.....Tenn.
Smith, Ulysses S. Grant.....Ills.
Stough, Thomas Jefferson.....Ala.
Strayhorn, John M.....Texas.
Stringer, W. Morton.....Ala.
Sturges, S. I .....Texas.
Sumner, W. I.....N. C.
Thompson, Charles E .....Ohio.
Thompson, Samuel Henry..Texas.
Turner, Thomas H..... .....Ky.
Van Hook, Riley C.....Tenn.
Walker, Thomas Dick. .....Tenn.
Wallace, John M.....Ark.
Whitlock, Thomas Wilfred..Tenn.
Whitlow, Robert Lee.....Va.
Whitson, David Vance. .... Tenn.
Wilson, John B..... S. C.
Wilson, Walter Davis..... Miss.
Winn, John Thomas. ..... Ga.
Wyatt, Frank M.. .....Tenn.

GRADUATES OF THE DENTAL SCHOOL.

Session 1892–'93.

DOCTORS OF DENTAL SURGERY.

Leland, F. J. H..... Michigan.
McCormick, J. B ....Fla.
Mitchell, D. V ..Tenn.

RESUME.

Students in the Academic Department:	
1. College students	219
2. University and Special students	47
Total number in the Academic Department	266
Professional Departments:	
3. Law Department	7
4. Medical and Dental Department	269
Total number of students in the University of Tennessee	542

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DIRECTORY.

The office of the President is on the second floor of Science hall, east side.

The office of the Dean of the College is No. 75, south hall, South College.

The office of the Dean of the Law Department is Nos. 14 and 15, McCallum building, corner Gay and Union streets, Knoxville.

The office of the Bursar is No. 57, north hall, South College. Students transact all financial business with the Bursar.

The office of the Commandant of Cadets is No. 58, north hall, South College.

The office of the Treasurer is Nos. 16 and 17, McCallum building, corner Gay and Union streets, Knoxville.

The office of the Director of the Agricultural Experiment Station is No. 1, first floor of the Agricultural building.

The office of the Superintendent of the Mechanical Department is on the second floor of the Mechanical building.

The office of the General Secretary of the Young Men's Christian Association is No. 4, Associatiou building.

The office of the Instructor in Physical Culture is in the Association building.

For announcement of Medical School, address Dr. Duncan Eve, Dean, Nashville, Tenn.

For announcement of Dental School, address Dr. J. P. Gray, Sec'y, Nashville, Tenn.

Separate announcements are published, also, for the Teachers' Department, Engineering Department, Agricultural Department and Law Department. For more detailed information, or these announcements,

Address,

THE UNIVERSITY OF TENNESSEE,

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